

PRODUCT GUIDE



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More than
160,000
employees



Present in
75 countries



800 manufacturing
facilities around
the world

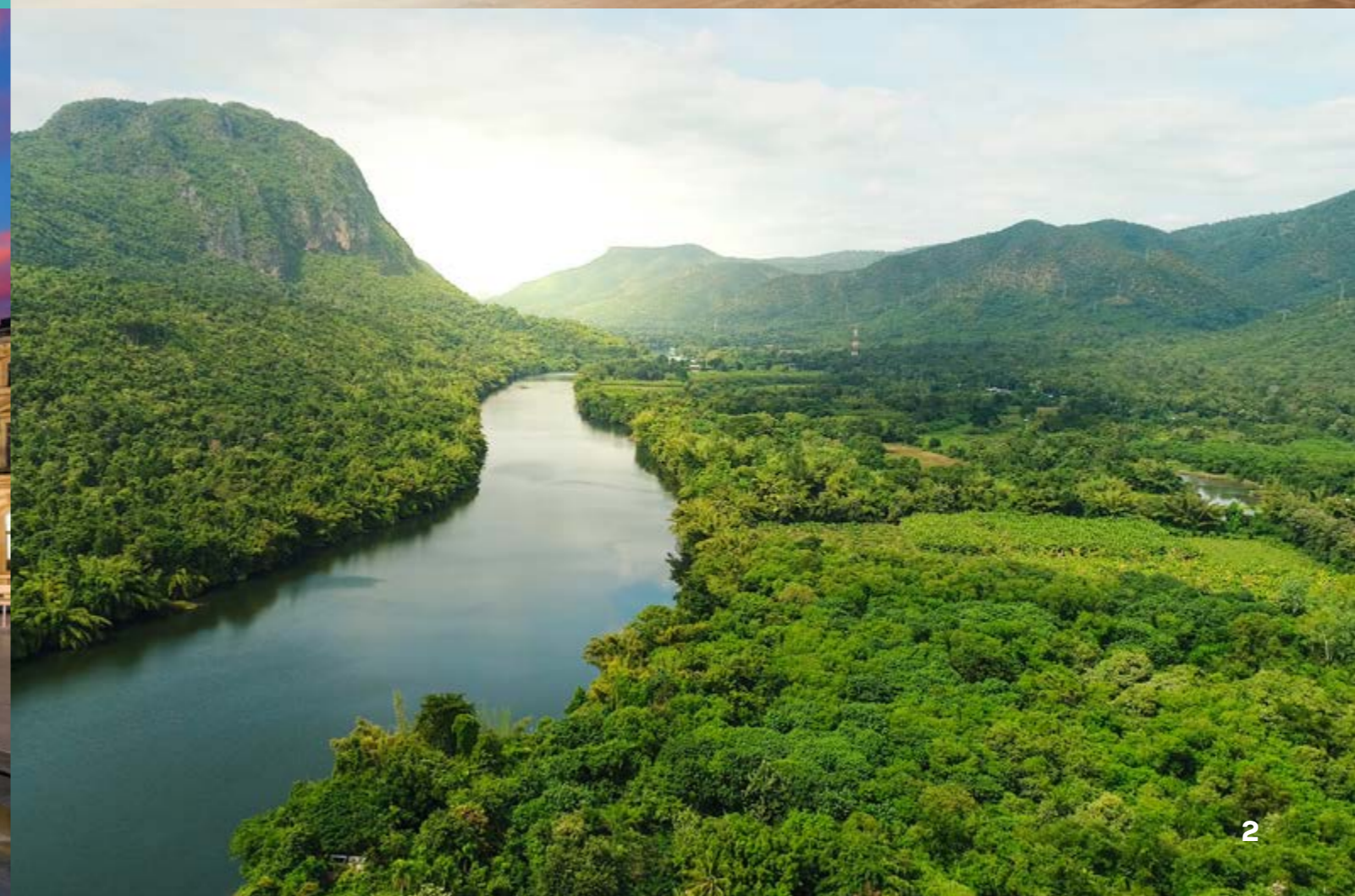


Created more than
350 years ago

A Saint-Gobain brand

Saint-Gobain designs, manufactures and distributes materials and solutions which are key ingredients in the wellbeing of each of us and the future of all. They can be found everywhere in our living places and our daily life: in buildings, transportation, infrastructure and in many industrial applications. They provide comfort, performance and safety while addressing the challenges of sustainable construction, resource efficiency and climate change.

The diversity of the Group's business and the strong awareness of its brands allow Saint-Gobain to be the reference of habitat and industrial applications markets. Saint-Gobain Weber is one of the brands under the umbrella of the Group.





WEBER

cares about building better for **people** and the **planet**.

About Weber

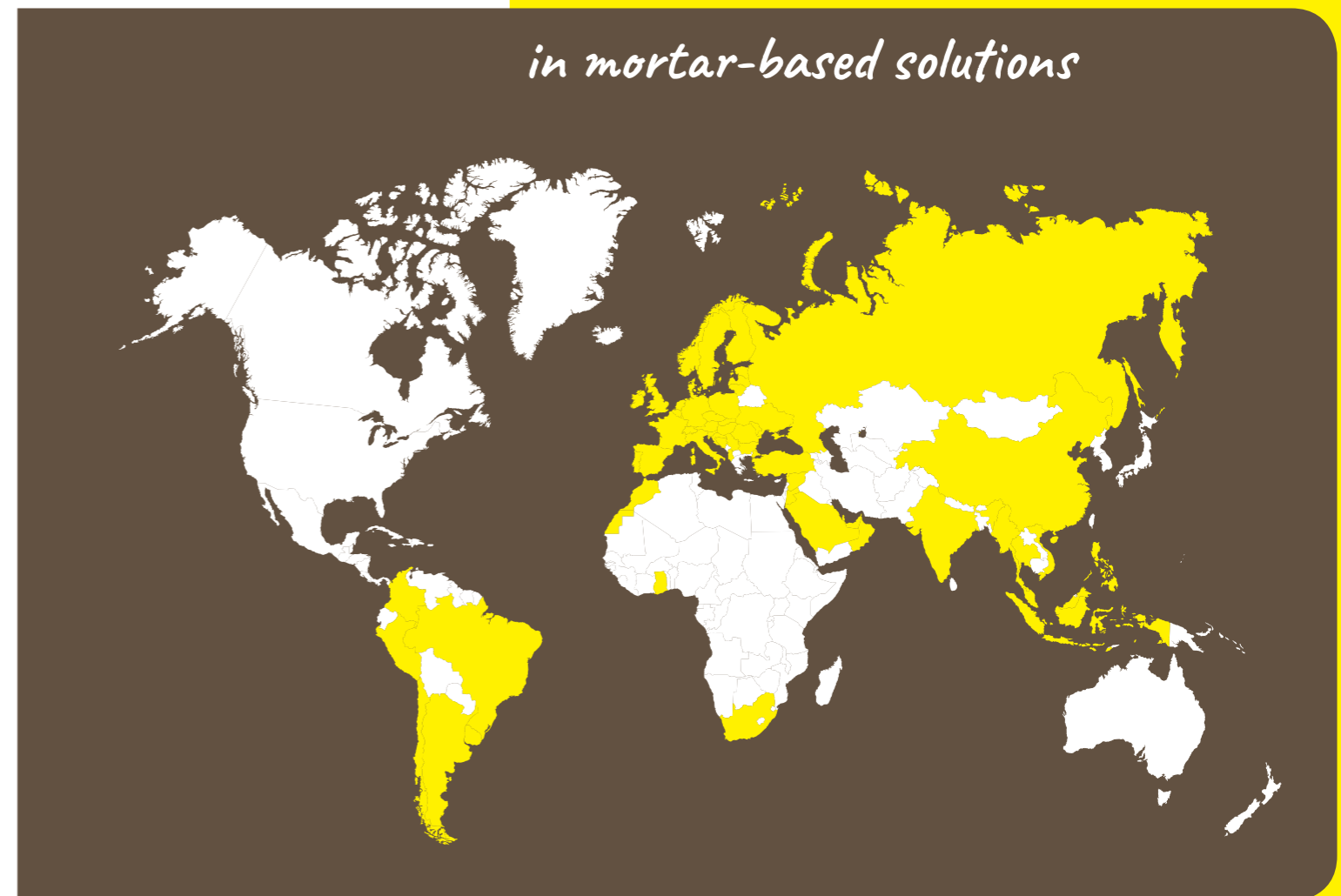
Weber is the brand that cares about building better for people and the planet by offering solutions that deliver sustainability and performance.

At Weber, we develop, produce and sell solutions based on industrial mortars and construction chemicals for building construction and renovation. Its core product range consists of solutions for facade, tiling, flooring, waterproofing and plastering mortars.

Weber does not only sell products but the complete solution which includes the services that go with the products, technical support and training. Based on our strong knowledge and experience of the market, Weber training programs meet the needs of our customers, providing specifiers, developers and contractors with substantial support before, during and after contract periods.

- **1900**
Both companies Weber and Broutin were founded in France in the early 20th century. They merged in 1927.
- **1996**
Weber joined the Saint-Gobain group. The company becomes **Saint-Gobain Weber**.
- **2016**
Weber **acquired** E.MIX in Hong Kong with its expansion in Asia.
- **2018**
The company has been **re-branding** from E.MIX to Weber (Hong Kong).

*The worldwide leader
in mortar-based solutions*



Over
10,000
employees



Manufacturing sites in
60
countries



200
production units



Global
Sales operations



Render & Skim Coat

High quality, long-lasting cement-based plaster for protection and decoration on walls

weberbase
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weberdeko
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Tile Fix & Grout

High strength, non-slip and rapid setting cement-based, low cement and epoxy adhesive & grout for tiles or stones

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Waterproofing

Elastomeric and high performance cementitious coating for interior & exterior waterproofing systems

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Flooring

High compressive strength and good abrasion resistance self-levelling cementitious flooring system application for industrial, commercial and residential screeds

weberfloor
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weberbase easi render

Semi-coarse and water resistant sprayable pre-mixed plaster for interior and exterior use.

weberbase easi render is a high quality water resistant sprayable cement-based plaster for application on brickwalls, blockwalls, panel walls and concrete surfaces. It is suitable for dry and wet interiors as well as exteriors and serves as a render coat underneath Weber TILE ADHESIVE and TILE GROUT series products for tile fixing. To achieve a finer surface finishing, **weberbase easi render** may be overcoated with Weber Skim Coat series before painting. This product shall not be used on painted surfaces.

Uses

- Interior wall rendering
- Exterior wall rendering
- Panel wall rendering
- Small area ceiling rendering (with webertec bond coat or webertec EVA)

Features and Benefits

- Formulated to comply with European Norm, British Standard and Chinese Standard
- Single component : fixed mixing proportion, ensure the quality of work
- Specific design for spray plastering
- Shrinkage compensated : reduce the chance of shrinkage cracks
- Suitable for tiling with Weber TILE ADHESIVE and TILE GROUT series products
- After receiving Weber SKIM COAT series, a finer surface profile is available for painting
- Compatible with cementitious waterproofing materials Weber WATERPROOFING series products

Complied Standards

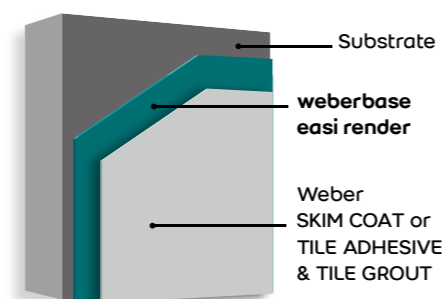
- European Norm : BS EN 1015 : 10,11,12
- British Standard : BS 5262, BS 5492, BS 5385, BS 5838 : Part 2, BS 6319
- Chinese Standard : DBJ/T 01 - 73, DG/TJ 08 - 502A, GB/T25181



Packaging
40kg / bag

Storage life
12 months

if the product is kept in dry condition and stored in the original unopened packaging.



Technical Data

Colour	Grey
Component	Portland cement, non-reactive aggregate, graded sand and other chemical additives
Max. aggregate size	2.0 mm
Water demand	Hand application: Approx. 16 - 18% (6.4 - 7.2 L/40 KG bag) Spray application: Approx. 17 - 19% (6.8 - 7.6 L/40 KG bag)
Density	1.6 KG/L (dry) 1.8 KG/L (wet) for 16% water demand
Pot life	Approx. 1 hour
Thickness	8 - 15 mm for 1 coat 15 - 25 mm for 2 coats 25 - 35 mm for 3 coats
Coverage	Approx. 1.55 KG/m ² /mm
Theoretical consumption	Approx. 15.5 KG/m ² for thickness of 10 mm Approx. 2.5 m ² /40 KG bag for thickness of 10 mm

Physical Properties

Adhesion to concrete (Saw cut method)	BS EN 1015 - 12	≥ 0.7 N/mm ²
Adhesive strength (Core method)	BS EN 1015 - 12	≥ 0.6 N/mm ²
Compressive strength	BS EN 1015 - 11	≥ 9 N/mm ²
Flexural strength	BS EN 1015 - 11	≥ 3 N/mm ²
Chloride content	BS 1881 : Part 124	< 0.01%
Shrinkage	Coutinho Ring HKHA MTS Spec. Part D, Cl. 2.1.6	no cracks observed

Procedures

Substrate Preparations

- Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination on any traces of foreign materials affecting the adhesion of weberbase easi render.
- Moisten the substrate the night before and also at the time before the commencement of operation. Neither stagnant water nor continuous water flow on substrate is allowed immediately prior to plastering.
- When the substrate is concrete of high fly ash content, the surface should be sealed with weberprim moisture sealer before hand.

Mixing and Installation

- Mix a bag of dry-mixed powder (40 KG) with appropriate amount of water (depending on the application mode) by using an electrical mixer for 3 - 7 minutes. For hand application, add approx. 16 - 18% (6.4 - 7.2 L) of water; for spray application, add approx. 17 - 19% (6.8 - 7.6 L) of water.
- Apply the render by hand or spraying machine to required thickness in layer(s). For clean, smooth and flat concrete surfaces, weberbase easi render in thin application can be applied directly on concrete surface without spatterdash. For thick application on concrete substrates, a coat of sound spatterdash shall be applied in order to provide good key for receiving weberbase easi render.
- Please refer to our method statement for procedures in details.

Curing

- Water mists is preferred but not always necessary for interior application. However, water mist is required under the extreme hot or dry weather condition.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

* Note: The information and physical data in this catalogue is given to the best of our knowledge under standard testing method and controlled environment. The results may vary with different weather / site conditions, workmanship or substrates. This is beyond our control that we shall not be liable for any faults or consequences arising or associated with this. We suggest comprehensive tests to be conducted before final application. Unless specified, all technical data are average values with curing time of 28 days. We reserve the right to update or amend the contents in the light of new findings during the course of research and development.



weberbase easi render plus

Strongly polymerised, semi-coarse and water resistant sprayable pre-mixed plaster complied with C2 class of EN 12004.

weberbase easi render plus is a strongly polymerised, high quality water resistant sprayable cement-based plaster for application on brickwalls, blockwalls, panel walls and concrete surfaces. It is suitable for dry and wet interiors as well as exteriors. It serves as render coat underneath Weber TILE ADHESIVE and TILE GROUT series products for tile fixing. To achieve a finer surface finishing, **weberbase easi render plus** may be overcoated with Weber Skim Coat series before painting. This product shall not be used on painted surfaces.

Uses

- Interior wall rendering
- Exterior wall rendering
- Panel wall rendering
- Small area ceiling rendering (with webertec bond coat or webertec EVA)

Features and Benefits

- Formulated to comply with European Norm, American Standard, British Standard and Chinese Standard
- Single component : fixed mixing proportion, ensure the quality of work
- Specific design for spray plastering
- Shrinkage compensated : reduce the chance of shrinkage cracks
- Suitable for tiling with Weber TILE ADHESIVE and TILE GROUT series products
- Suitable for painting with receiving Weber SKIM COAT series products
- Compatible with cementitious waterproofing materials Weber WATERPROOFING series products

Complied Standards

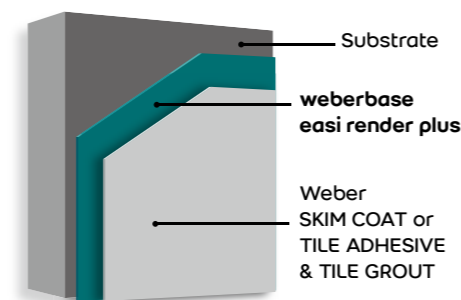
- European Norm : EN 1348
- American Standard : ASTM C596, ASTM C348
- British Standard : BS 1881 : Part 5, BS 5262, BS 5492, BS 5385, BS 5838 : Part 2, BS 6319
- Chinese Standard : DBJ/T 01 - 73, DG/TJ 08 - 502A



Packaging
40kg / bag

Storage life
12 months

if the product is kept in dry condition and stored in the original unopened packaging.



Technical Data

Colour	Grey
Component	Portland cement, non-reactive aggregate, graded sand and other chemical additives
Max. aggregate size	2.0 mm
Water demand	Hand application: Approx. 16 – 18% (6.4 – 7.2 L/40 KG bag) Spray application: Approx. 17 – 19% (6.8 – 7.6 L/40 KG bag)
Density	1.5 KG/L (dry) 1.8 KG/L (wet) for 16% water demand
Pot life	Approx. 1 hour
Thickness	8 – 15 mm for 1 coat 15 – 25 mm for 2 coats 25 – 35 mm for 3 coats
Coverage	Approx. 1.55 KG/m ² /mm
Theoretical consumption	Approx. 15.5 KG/m ² for thickness of 10 mm Approx. 2.5 m ² /40 KG bag for thickness of 10 mm

Physical Properties

Adhesion to concrete	EN 1348 - Initial adhesion strength - Adhesion strength after heat ageing - Adhesion strength after water immersion - Adhesion strength after freeze-thaw cycles	> 1 N/mm ² > 1 N/mm ² > 1 N/mm ² > 1 N/mm ²
Tensile strength	BS 6319 : Part 7 HKHA MTS Spec. Part D Cl.2.1.3	2.0 N/mm ²
Compressive strength	BS 6319 : Part 2 HKHA MTS Spec. Part D, Cl. 2. 1. 1	≥ 25 N/mm ²
Flexural strength	BS 6319: Part 3 HKHA MTS Spec. Part D Cl.2.1.2	≥ 5 N/mm ²
Bond Strength	BS 6319 : Part 7 HKHA MTS Spec Part D, Cl. 2. 1. 14	≥ 1.9 N/mm ²
Initial Surface Absorption Test (ISAT)	BS 1881 : Part 5	< 0.06 ml/m ² /s (2 hours)
Shrinkage	ASTM C596	0.09% (4 days) 0.12% (11 days) 0.13% (18 days) 0.14% (25 days)

Procedures

Substrate Preparations

- Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination on any traces of foreign materials affecting the adhesion of weberbase easi render plus.
- Moisten the substrate the night before and also at the time before the commencement of operation. Neither stagnant water nor continuous water flow on substrate is allowed immediately prior to plastering.
- When the substrate is concrete of high fly ash content, the surface should be sealed with weberprim moisture sealer before hand.

Mixing and Installation

- Mix a bag of dry-mixed powder (40 KG) with appropriate amount of water (depending on the application mode) by using an electrical mixer for 3 – 7 minutes. For hand application, add approx. 16 – 18% (6.4 – 7.2 L) of water; for spray application, add approx. 17 – 19% (6.8 – 7.6 L) of water.
- Apply the render by hand or spraying machine to required thickness in layer(s). For clean, smooth and flat concrete surfaces, weberbase easi render plus in thin application can be applied directly on concrete surface without spatterdash. For thick application on concrete substrates, a coat of sound spatterdash shall be applied in order to provide good key for receiving weberbase easi render plus.
- Please refer to our method statement for procedures in details.

Curing

- Water mists is preferred but not always necessary for interior application. However, water mist is required under the extreme hot or dry weather condition.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

* Note: The information and physical data in this catalogue is given to the best of our knowledge under standard testing method and controlled environment. The results may vary with different weather / site conditions, workmanship or substrates. This is beyond our control that we shall not be liable for any faults or consequences arising or associated with this. We suggest comprehensive tests to be conducted before final application. Unless specified, all technical data are average values with curing time of 28 days. We reserve the right to update or amend the contents in the light of new findings during the course of research and development.



weberdry easi render plus WP

Strongly polymerized, semi-coarse and waterproof sprayable premixed plaster complied with C2 class of EN 12004.

weberdry easi render plus WP is a strongly polymerized, high quality sprayable cement-based waterproof plaster for application on brickwalls, blockwalls, panel walls and concrete surfaces. It is suitable for dry and wet interiors as well as exteriors and serves as render coat underneath Weber TILE ADHESIVE & TILE GROUT series for tile fixing. To receive paint, it is more appropriate to apply Weber SKIM COAT series for a better finishing surface. However, it should not be used on painted surfaces.

Uses

- Interior wall rendering
- Exterior wall rendering
- Panel wall rendering
- Small area ceiling rendering (with webertec bond coat)

Features and Benefits

- Formulated to comply with American Standard, British Standard, Chinese Standard and European Norm
- Single component: fixed mixing proportion, ensure the quality of work
- Specific design for spray plastering
- Formulated with waterproofing additives to provide optimum protection to substrate
- Shrinkage compensated: reduce the shrinkage cracks
- Suitable for tiling with receiving the Weber TILE ADHESIVE & TILE GROUT series products
- Suitable for painting with receiving the Weber SKIM COAT series products
- Compatible with cementitious waterproofing materials weberdry elastic slurry

Complied Standards

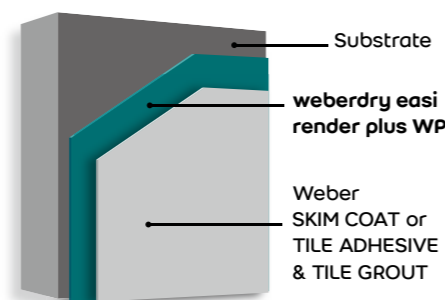
- European Norm : EN 1348
- American Standard : ASTM C596
- British Standard : BS 1881 : Part 5, BS 5262, BS 5492, BS 5385, BS 5838 : Part 2, BS 6319
- Chinese Standard : DBJ/T01-73, DG/TJ08-502A



Packaging
40kg / bag

Storage life

12 months
if the product is kept in dry condition and stored in the original unopened packaging.



Technical Data

Colour	Grey
Component	Portland cement, non-reactive aggregate, graded sand and other chemical additives
Max. aggregate size	2.0 mm
Water demand	For hand application: Approx. 16 – 18% or 6.4 – 7.2 L/40 kg bag For spray application: Approx. 17 – 19% or 6.8 – 7.6 L/40 kg bag
Density	1.5 KG/L (dry) 1.8 KG/L (wet) for 16% water demand
Pot life	Approx. 1 hour
Thickness	8 – 15 mm for 1 coat 15 – 25 mm for 2 coats 25 – 35 mm for 3 coats
Coverage	Approx. 1.55 KG/m ² /mm
Theoretical consumption	Approx. 15.5 KG/m ² for thickness of 10 mm Approx. 2.5 m ² /40 KG bag for thickness of 10 mm

Physical Properties

Adhesion to concrete	EN 1348	> 1.0 N/mm ²
Tensile strength	BS 6319 : Part 7	≥ 2.0 N/mm ²
Compressive strength	BS 6319 : Part 2 HKHA MTS Spec. Part D, Cl. 2.1.1	≥ 25 N/mm ²
Flexural strength	BS 6319 : Part 3	≥ 5 N/mm ²
Bond Strength	BS 6319 : Part 7 HKHA MTS Spec Part D, Cl. 2.1.14	≥ 1.9 N/mm ²
Initial Surface Absorption Test (ISAT)	BS 1881 : Part 5	< 0.06 ml/m ² /s (2 hours)
Shrinkage	Coutinho ring, HKHA MTS Spec. Part D, Cl. 2.1.6	no cracks observed
Water absorption	BS 1881 : Part 122	1.9 %
Consistence retentively	BS 4551	85%
Water retentivity	BS 4551	99%
Water impermeability pressure	JC/T 894	0.8 MPa
Determination of waterproofing quality	HKHA MTS Spec. Part D, Cl.2.1.1	No leakage

Procedures

Substrate Preparations

- Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination on any traces of foreign materials affecting the adhesion of weberdry easi render plus WP.
- Moisten the substrate the night before and also at the time before the commencement of operation. Neither stagnant water nor continuous water flow on substrate is allowed immediately prior to plastering.
- When the substrate is concrete of high fly ash content, the surface should be sealed with weberprim moisture sealer before hand.

Mixing and Installation

- Mix a bag of dry mix powder (40 kg) with appropriate amount of water (depending on the applying mode) by using an electric mixer for 3 – 7 min. For hand application, add approx. 16 – 18% (6.4 – 7.2 L) of water; for spray application, add approx. 17 – 19% (6.8 – 7.6 L) of water.
- Apply the render by hand or spraying machine to required thickness in layer(s). For clean, smooth and flat concrete surfaces, weberdry easi render plus WP in thin application can be applied directly on concrete surface without spatterdash. For thick application on concrete substrates, a coat of sound spatterdash shall be applied in order to provide good key for receiving weberdry easi render plus WP.
- Please refer to our method statement for procedures in details.

Curing

- Water mists is preferred but not always necessary for interior application. However, water mist is required under the extreme hot or dry weather condition.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

* Note: The information and physical data in this catalogue is given to the best of our knowledge under standard testing method and controlled environment. The results may vary with different weather / site conditions, workmanship or substrates. This is beyond our control that we shall not be liable for any faults or consequences arising or associated with this. We suggest comprehensive tests to be conducted before final application. Unless specified, all technical data are average values with curing time of 28 days. We reserve the right to update or amend the contents in the light of new findings during the course of research and development.



weberbase thick render

Coarse and water resistant pre-mixed render for internal and external conditions.

weberbase thick render is a high quality water resistant cement-based plaster designed for brickwalls, blockwalls and concrete walls, and other rendering in thick layers. It can also be used as mortar for straight edge levelling and angle forming of thickness 15 – 25 mm. It is especially formulated for the replacement of conventional cement sand render. **weberbase thick render** is suitable for dry and wet interiors as well as exteriors. It serves as render coat underneath Weber TILE ADHESIVE and TILE GROUT series products for tile fixing. To achieve a finer surface finishing, **weberbase thick render** may be overcoated with Weber skim coat series before painting. This product shall not be used on painted surfaces.

Uses

- Thick layer rendering
- Interior and exterior wall rendering

Features and Benefits

- Formulated to comply with British Standard and Chinese Standard
- Single component : fixed mixing proportion, ensure the quality of work
- Shrinkage compensated : reduce the chance of shrinkage cracks
- Suitable for tiling with Weber TILE ADHESIVE and TILE GROUT series products
- After receiving Weber SKIM COAT series, a finer surface profile is available for painting
- Compatible to cementitious waterproofing materials Weber WATERPROOFING series products

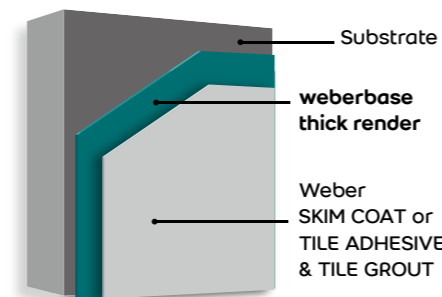
Complied Standards

- British Standard : BS 5262, BS 5492, BS 5385, BS 5838 : Part 2, BS 6319 : Part 2, 3
- Chinese Standard : DBJ/T 01 – 73, DG/TJ 08 – 502A, GB/T 25181



Packaging
40kg / bag

Storage life
12 months
if the product is kept in dry condition and stored in the original unopened packaging.



Technical Data

Colour	Grey
Component	Portland cement, non-reactive aggregate, graded sand and other chemical additives
Max. aggregate size	4.0 mm
Water demand	For hand application: Approx. 13 – 15% or 5.2 – 6 L/40 kg bag
Density	1.7 KG/L (dry) 1.85 KG/L (wet) for 14% water demand
Pot life	Approx. 1 hour
Thickness	15 – 25 mm for 1 coat 25 – 40 mm for 2 coats
Coverage	Approx. 1.6 KG/m ² /mm
Theoretical consumption	Approx. 24 KG/m ² for thickness of 15 mm Approx. 1.66 m ² /40 KG bag for thickness of 15 mm

Physical Properties

Adhesion to concrete	HKHA MTS Spec. Part D, Cl. 2. 1. 15	≥ 0.8 N/mm ²
Compressive strength	BS 6319 : Part 2 HKHA MTS Spec. Part D, Cl. 2. 1. 1	≥ 15 N/mm ²
Flexural strength	BS 6319 : Part 3	≥ 4.0 N/mm ²
Shrinkage	Coutinho Ring HKHA MTS Spec. Part D, Cl. 2. 1. 6	no cracks observed

Above physical data are taken on laboratory tests. In situ material performance may vary according to environmental & workmanship conditions beyond manufacturer control. Unless specified, all technical data are average values and refer to curing time of 28 days.

Procedures

Substrate Preparations

- Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination on any traces of foreign materials affecting the adhesion of weberbase thick render.
- Moisten the substrate the night before and also at the time before the commencement of operation. Neither stagnant water nor continuous water flow on substrate is allowed immediately prior to plastering.
- When the substrate is concrete of high fly ash content, the surface should be sealed with weberprim moisture sealer before hand.

Mixing and Installation

- Mix a bag of dry-mixed powder (40 KG) with Approx. 13 – 15% (5.2 – 6 L) of water by using an electrical mixer for 3 – 7 minutes.
- Apply weberbase thick render by hand to required thickness in layer(s).
- Please refer to our method statement for procedures in details.

Curing

- Water mists is preferred but not always necessary for interior application. However, water mist is required under the extreme hot or dry weather condition.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

* Note: The information and physical data in this catalogue is given to the best of our knowledge under standard testing method and controlled environment. The results may vary with different weather / site conditions, workmanship or substrates. This is beyond our control that we shall not be liable for any faults or consequences arising or associated with this. We suggest comprehensive tests to be conducted before final application. Unless specified, all technical data are average values with curing time of 28 days. We reserve the right to update or amend the contents in the light of new findings during the course of research and development.



weberdry WP render coarse

Pre-mixed hand-applied waterproof render for plastering of brickwalls, blockwalls and fair faced concrete walls, and other general uses in interior and exterior conditions.

weberdry WP render coarse is a specially blended cement-based waterproof plaster for application on brickwalls, blockwalls and concrete surfaces. It is suitable for dry and wet interiors as well as exteriors, and also serves as render coat underneath Weber TILE ADHESIVE and TILE GROUT series for tile fixing. To achieve a finer surface finishing, **weberdry WP render coarse** may be overcoated with Weber skim coat series before painting. This product shall not be used on painted surfaces.

Uses

- Long-term immersion in water
- Waterproofing interior wall rendering
- Waterproofing exterior wall rendering

Features and Benefits

- Formulated to comply with European Norm, British Standard and Chinese Standard
- Highly water repellent, provide optimum protection to substrate
- Highly vapour permeable
- Single component : fixed mixing proportion, ensure the quality of work
- Shrinkage compensated : reduce the chance of shrinkage cracks
- Compatible with Weber WATERPROOFING series products.
- Suitable for tiling with Weber TILE ADHESIVE and TILE GROUT series products
- After receiving Weber SKIM COAT series, a finer surface profile is available for painting.

Complied Standards

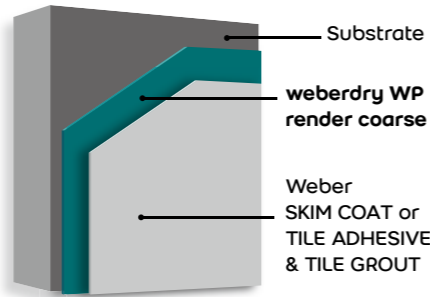
- European Norm : EN 1015 - 12, EN 1348
- British Standard : BS 5262, BS 5492, BS 5385, BS 6319 Part 7, BS 1881 : Part 208
- Chinese Standard : JC/T 894, DBJ/T 01 - 73, DG/TJ 08 - 502A, GB/T25181



Packaging
40kg / bag

Storage life
12 months

if the product is kept in dry condition and stored in the original unopened packaging.



Technical Data

Colour	Grey
Component	Portland cement, non-reactive aggregate, graded sand, waterproofing and other chemical additives
Max. aggregate size	4.0 mm
Water demand	Hand application: Approx. 13 – 15% (5.2 – 6 L/40 KG bag)
Density	1.7 KG/L (dry) 1.75 KG/L (wet) for 14% water demand
Pot life	Approx. 1 hour
Thickness	15 – 25 mm for 1 coat 25 – 40 mm for 2 coats
Coverage	Approx. 1.55 KG/m ² /mm
Theoretical consumption	Approx. 23 KG/m ² for thickness of 15 mm Approx. 1.7 m ² /40 KG bag for thickness of 15 mm

Physical Properties

Adhesion to concrete	EN 1015 : Part 12	0.8 N/mm ²
Compressive strength	EN 1015 : Part 11	29.6 N/mm ²
Flexural strength	EN 1015 : Part 11	≥ 5 N/mm ²
Water absorption	BS 1881 : Part 122	< 2%
Water retentivity	BS 4551 : Part 1	> 95%
Water impermeability pressure	GB/T 25181	0.8 MPa
Initial Surface Absorption Test (ISAT)	BS 1881 : Part 208	0.03 ml/m ² .s (10 minutes) 0.01 ml/m ² .s (30 minutes) 0.01 ml/m ² .s (1 hour)
Shrinkage	Coutinho Ring HKHA MTS Spec. Part D, Cl. 2.1. 6	no cracks observed
Pond test	HKHA Spec. WAT6 M010.4	No leakage

Procedures

Substrate Preparations

- Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination on any traces of foreign materials affecting the adhesion of weberdry WP render coarse.
- Moisten the substrate the night before and also at the time before the commencement of operation. Neither stagnant water nor continuous water flow on substrate is allowed immediately prior to plastering.
- When the substrate is concrete of high fly ash content, the surface should be sealed with weberprim moisture sealer before hand.

Mixing and Installation

- Mix a bag of dry-mixed powder (40 KG) with approx. 13 – 15% (5.2 – 6 L) of water by using an electrical mixer for 3 – 7 minutes.
- Apply weberdry WP render coarse by hand to required thickness in layer(s).
- Please refer to our method statement for procedures in details.

Curing

- Water mists is preferred but not always necessary for interior application. However, water mist is required under the extreme hot or dry weather condition.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

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weberdry WP render sprayable

Pre-mixed sprayable waterproof render for plastering of brickwalls, blockwalls and fairface concrete walls, and other general uses in interior and exterior conditions.

weberdry WP render sprayable is a specially blended, sprayable cement-based waterproof plaster for application on brickwalls, blockwalls and concrete surfaces. It is suitable for dry and wet interiors as well as exteriors, and also serves as render coat underneath Weber TILE ADHESIVE and TILE GROUT series for tile fixing. To achieve a finer surface finishing, **weberdry WP render sprayable** may be overcoated with Weber skim coat series before painting. This product shall not be used on painted surfaces.

Uses

- Long-term immersion in water
- Waterproofing interior wall rendering
- Waterproofing exterior wall rendering

Features and Benefits

- Formulated to comply with European Norm, British Standard and Chinese Standard
- Highly water repellent, provide optimum protection to substrate
- Highly vapour permeable
- Single component : fixed mixing proportion, ensure the quality of work
- Shrinkage compensated : reduce the chance of shrinkage cracks
- Compatible with Weber WATERPROOFING series products.
- Suitable for tiling with Weber TILE ADHESIVE and TILE GROUT series products
- After receiving Weber SKIM COAT series, a finer surface profile is available for painting

Complied Standards

- European Norm : EN 1015 - 11
- British Standard : BS 1881, BS 5262, BS 5492, BS 5385, BS 5838 : Part 2, BS 1881 : Part 208
- Chinese Standard : DBJ/T 01 - 73, DG/TJ 08 - 502A

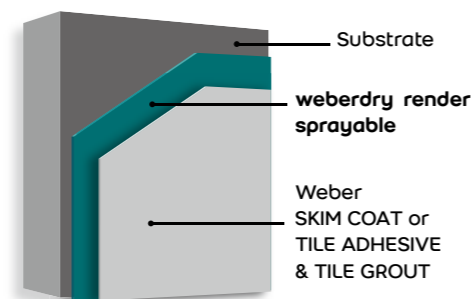
* Note: The information and physical data in this catalogue is given to the best of our knowledge under standard testing method and controlled environment. The results may vary with different weather / site conditions, workmanship or substrates. This is beyond our control that we shall not be liable for any faults or consequences arising or associated with this. We suggest comprehensive tests to be conducted before final application. Unless specified, all technical data are average values with curing time of 28 days. We reserve the right to update or amend the contents in the light of new findings during the course of research and development.



Packaging
40kg / bag

Storage life

12 months
if the product is kept in dry condition and stored in the original unopened packaging.



Technical Data

Colour	Grey
Component	Portland cement, non-reactive aggregate, graded sand, waterproofing and other chemical additives
Max. aggregate size	2.0 mm
Water demand	Hand application: Approx. 16 – 18% (6.4 – 7.2 L/40 KG bag) Spray application: Approx. 17 – 19% (6.8 – 7.6 L/40 KG bag)
Density	1.5 KG/L (dry) 1.7 KG/L (wet) for 16% water demand
Pot life	Approx. 1 hour
Thickness	8 – 15 mm for 1 coat 15 – 25 mm for 2 coats
Coverage	Approx. 14.5 KG/m ² for thickness of 10 mm
Theoretical consumption	Approx. 2.75 m ² / 40KG bag for thickness of 10 mm

Physical Properties

Adhesion to concrete	EN 1015 - 12	0.8 N/mm ²
Compressive strength	EN 1015 - 11	16.8 N/mm ²
Flexural strength	EN 1015 - 11, EN 196-1	≥ 5 N/mm ²
Water retentivity	BS 4551 : Part 1	≥ 95%
Initial Surface Absorption Test (ISAT)	BS 1881 : Part 208	0.07 ml/ m ² .s (10 minutes) 0.03 ml/ m ² .s (20 minutes) 0.01 ml/ m ² .s (1 hour) 0.01 ml/ m ² .s (2 hours)
Shrinkage	Coutinho ring, HKHA MTS Spec. Part D, Cl. 2.1.6	no cracks observed
Pond test	HKHA Spec. WAT6 M010.4	No leakage
water impermeability pressure	JCT 894	0.8 N/mm ²
Suitability for use in contact with portable water	BS 6920 section 2 - Odour and Flavour - Appearance - Growth of aquatic micro-organisms - Extraction of substances that may be of concern to public health - Extraction of metal	Complied Complied Complied Complied Complied

Procedures

Substrate Preparations

- Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination on any traces of foreign materials affecting the adhesion of weberdry WP render sprayable.
- Moisten the substrate the night before and also at the time before the commencement of operation. Neither stagnant water nor continuous water flow on substrate is allowed immediately prior to plastering.
- When the substrate is concrete of high fly ash content, the surface should be sealed with weberprim moisture sealer before hand.

Mixing and Installation

- Mix a bag of dry-mixed powder (40 KG) with appropriate amount of water (depending on the application mode) by using an electrical mixer for 3 – 7 minutes. For hand application, add approx. 16 – 18% (6.4 – 7.2 L) of water; for spray application, add approx. 17 – 19% (6.8 – 7.6 L) of water.
- Apply the render by hand or spraying machine to required thickness in layer(s). For clean, smooth and flat concrete surfaces, weberdry WP render sprayable in thin application can be applied directly on concrete surface without spatterdash. For thick application on concrete substrates, a coat of sound spatterdash shall be applied in order to provide good key for receiving weberdry WP render sprayable.
- Please refer to our method statement for procedures in details.

Curing

- Water mists is preferred but not always necessary for interior application. However, water mist is required under the extreme hot or dry weather condition.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.



weberfloor easi screed

Cement-based mortar for levelling of concrete floor and repair of screeding under interior or exterior conditions.

weberfloor easi screed is a specially blended pre-mixed hydraulic cement and non-reactive aggregate. The product is ready-to-use after mixing with clean water. It is easy to apply and useful for levelling rough and uneven concrete floors. The product is shrinkage compensated and can be troweled for screed repairing.

Uses

- Industrial buildings
- Residential and commercial buildings
- Exterior screeding
- Screed repairing

Features and Benefits

- Formulated to comply with Hong Kong Standard, American Standard, British Standard and Chinese Standard
- High compressive strength
- Shrinkage compensated: reduce the chance of shrinkage cracks and debonding
- Single component : fixed mixing proportion, ensure the quality of work
- Suitable for tiling with Weber TILE ADHESIVE and TILE GROUT series products, or smoothing with Weber SELF-LEVELLING series products

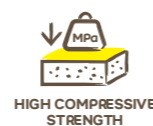
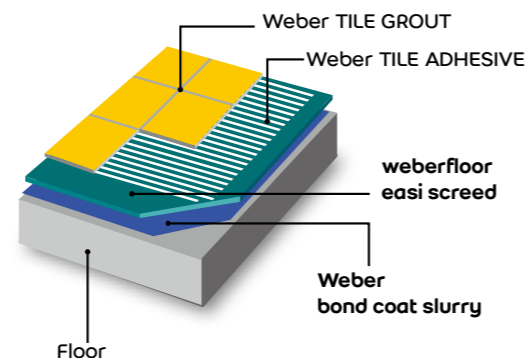
Complied Standards

- Hong Kong Standard : HKHA MTS Spec. Part D, Cl. 2. 1. 1, 2. 1. 15
- British Standard : BS 6319 : Part 3, BS 4551 : Part 1
- Chinese Standard : GB/T25181



Packaging
40kg / bag

Storage life
12 months
if the product is kept in dry condition and stored in the original unopened packaging.



Technical Data

Colour	Grey
Component	Portland cement, non-reactive aggregate and other chemical additives
Max. aggregate size	4.0 mm
Water demand	Approx. 13 – 15% (5.2 – 6 L/40 KG bag)
Density	1.8 KG/L (dry) 2.2 KG/L (wet) for 14% water demand
Pot life	Approx. 1 hour
Thickness	10 – 50 mm
Coverage	Approx. 1.8 kg/m ² /mm
Theoretical consumption	Approx. 1.48 m ² / bag for thickness of 15 mm

Physical Properties

Adhesion to concrete	HKHA MTS Spec. Part D, Cl. 2. 1. 15	≥ 2 N/mm ²
Compressive strength	HKHA MTS Spec. Part D, Cl. 2. 1. 1, BS 6319 : Part 2	≥ 30 N/mm ²
Flexural strength	HKHA MTS Spec. Part D, Cl. 2.1.2, BS 6319 : Part 3	≥ 4 N/mm ²
Shrinkage	Coutinho Ring HKHA MTS Spec. Part D, Cl. 2. 1. 6	no cracks observed

Procedures

Substrate Preparations

- The concrete substrate must be hard, sound and free from surface contamination.
- All dust and contaminants should be vacuumed clean prior to installation.
- Joints should be formed in weberfloor easi screed to BS8204
- Before application, dampen the substrate surface with clean water and allow excess water to drain away. It is recommended to wash the floor with high pressure water jet.

Mixing and Installation

- Prepare the Weber bond coat slurry by mixing either webertec bond coat or webertec EVA with Ordinary Portland Cement (OPC) and water at a ratio of 2:5:3 (by weight of Admixture : OPC : water). Stir the mixture thoroughly with an electrical mixer.
- For installation of Weber bond coat slurry, a layer of slurry coat can be applied by brushing on the concrete surface. Subsequent installation of weberfloor easi screed should be carried while the bond coat slurry remains wet and sticky.
- When the Weber bond coat turns dry, apply another fresh layer. Do not apply weberfloor easi screed on dried Weber bond coat slurry.
- Mix a bag of dry-mixed powder (40 KG) with approx. 13 – 15% (5.2 – 6 L) of water by using electrical mixer for 3 – 7 minutes.
- Pour weberfloor easi screed on the floor when the Weber bond coat slurry is still wet and sticky.
- weberfloor easi screed can be applied in one layer to maximum thickness of 50 mm.
- weberfloor easi screed in thickness of 50 – 100 mm should be applied in two coats. The first coat should be left coarse or scratched after applying. The priming Weber bond coat slurry should be applied on the former layer, when it has hardened and to be able to receive light foot traffic. Then apply the second layer of weberfloor easi screed to a maximum thickness of 50 mm.
- Mortar level pads are recommended to ensure correct and proper levelling.
- After 7 days of curing, weberfloor easi screed is suitable for tiling with use of Weber TILE ADHESIVE series and TILE GROUT series products, or smoothing with Weber SELF-LEVELLING series products.
- Please refer to our method statement for procedures in details.

Curing

- weberfloor easi screed can be cured with wet hessian, polyethylene or spray-on curing compound.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

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weberdry WP screed

Cement-based waterproof mortar for levelling of concrete floor and repair of screeding under interior or exterior conditions.

weberdry WP screed is a specially blended pre-mixed hydraulic cement, waterproofing component and non-reactive aggregate. The product is ready-to-use after mixing with clean water. It is easy-to-apply and useful for levelling rough and uneven concrete floors. The product is shrinkage compensated and used primarily to waterproof concrete floor.

Uses

- Industrial buildings
- Residential and commercial buildings
- Exterior screeding
- Screed repairing

Features and Benefits

- Formulated to comply with Hong Kong Standard, British Standard and Chinese Standard
- Waterproofing: can be used in kitchen and washroom
- Shrinkage compensated : reduce the chance of shrinkage cracks and debonding
- Single component : fixed mixing proportion, ensure the quality of work
- High compressive strength
- Suitable for tiling with Weber TILE ADHESIVE and TILE GROUT, or smoothing with Weber SELF-LEVELLING series products

Complied Standards

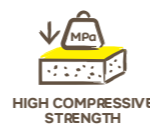
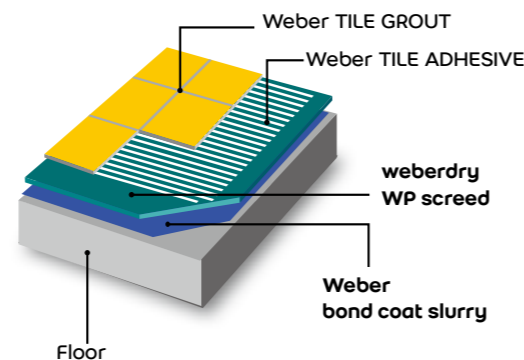
- Hong Kong Standard : HKHA MTS Spec. Part D, Cl. 2. 1. 1, 2. 1. 15
- British Standard : BS 6319 : Part 3
- Chinese Standard : GB/T25181
- German Standard : DIN 1048 : Part 5



Packaging
40kg / bag

Storage life

12 months
if the product is kept in dry condition and stored in the original unopened packaging.



Technical Data

Colour	Grey
Component	Portland cement, non-reactive aggregate, waterproofing and other chemical additives
Max. aggregate size	4.0 mm
Water demand	Approx. 13 – 15% (5.2 – 6 L/40 KG bag)
Density	1.8 KG/L (dry) 2.2 KG/L (wet) for 14% water demand
Pot life	Approx. 1 hour
Thickness	10 – 50 mm
Coverage	Approx. 1.7 kg/m ² /mm
Theoretical consumption	Approx. 1.56 m ² / bag for thickness of 15 mm

Physical Properties

Adhesion to concrete	EN 1015 : Part 12	1.4 N/mm ²
Compressive strength	EN 1015 : Part 11	27 N/mm ²
Flexural strength	BS 6319 : Part 3	6.2 N/mm ²
Water absorption	BS 1881 : Part 122	0.1%
Water permeation	DIN 1048 : Part 5	2.6 mm
Shrinkage		no cracks observed

Procedures

Substrate Preparations

- The concrete substrate must be hard, sound and free from surface contamination.
- All dust and contaminants should be vacuumed clean prior to installation.
- Joints should be formed in weberdry WP screed to BS8204.
- Before application, dampen the substrate surface with clean water and allow excess water to drain away. It is recommended to wash the floor with high pressure water jet.

Mixing and Installation

- Prepare the Weber bond coat slurry by mixing either webertec bond coat or webertec EVA with Ordinary Portland Cement (OPC) and water at a ratio of 2:5:3 (by weight of Admixture : OPC : water). Stir the mixture thoroughly with an electrical mixer.
- For installation of Weber bond coat slurry, a layer of slurry coat can be applied by brushing on the concrete surface. Subsequent installation of weberdry WP screed should be carried while the bond coat slurry remains wet and sticky.
- When the Weber bond coat slurry turns dry, apply another fresh layer. Do not apply weberdry WP screed on dried Weber bond coat slurry.
- Mix a bag of dry-mixed powder (40 KG) with approx. 13 – 15% (5.2 – 6 L) of water by using an electrical mixer for 3 – 7 minutes.
- Pour weberdry WP screed on the floor when the Weber bond coat slurry is still wet and sticky.
- weberdry WP screed can be applied in one layer to maximum thickness of 50 mm.
- weberdry WP screed in thickness of 50 – 100 mm should be applied in two coats. The first coat should be left coarse or scratched after applying. The priming Weber bond coat slurry should be applied on the former layer, when it has hardened and to be able to receive light foot traffic. Then apply the second layer of weberdry WP screed to a maximum thickness of 50 mm.
- Mortar level pads are recommended to ensure correct and proper levelling.
- After 7 days of curing, weberdry WP screed is suitable for tiling with use of the Weber TILE ADHESIVE and TILE GROUT series products, or smoothing with Weber SELF-LEVELLING series products.
- Please refer to our method statement for procedures in details.

Curing

- weberdry WP screed can be cured with wet hessian, polyethylene or spray-on curing compound.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

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webermix grano 60

High strength concrete mix as granolithic topping or repair of floor under interior or exterior conditions.

webermix grano 60 is a two-component high performance concrete which consists of specially blended pre-mixed hydraulic cement, graded sand and non-reactive aggregate. The product is ready-to-use after mixing with clean water. It is easy-to-apply and useful for levelling rough and uneven floors. **webermix grano 60** is used primarily as granolithic topping, it can also be trowelled for screed repairing.

Uses

- Interior and exterior floor areas
- Floor repairing
- Industrial buildings
- Residential and commercial buildings

Features and Benefits

- Formulated to comply with European Norm and British Standard
- High compressive strength
- Single component : fixed mixing proportion, ensure the quality of work
- Shrinkage compensated : reduce the chance of shrinkage cracks and debonding
- Suitable for tiling with Weber TILE ADHESIVE & TILE GROUT or smoothing with Weber SELF-LEVELLING series products

Complied Standards

- European Norm : BS EN 12350 – 2
- British Standard : BS 6319 : Part 4, BS 6319, Part 7

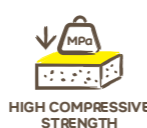
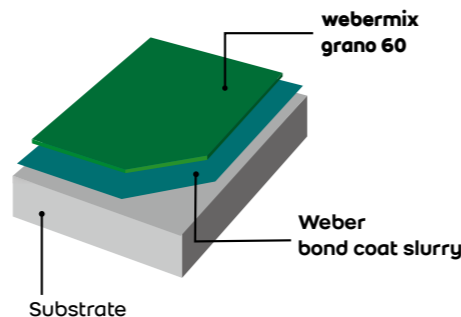


Packaging

25kg / dry-mixed powder
15kg / aggregate pack

Storage life

12 months
if the product is kept in dry condition and stored in the original unopened packaging.



Technical Data

	Part A	Part B
	25 KG (dry-mixed powder)	15 KG (aggregate pack)
Colour	Grey	n/a
Component	Portland cement, non-reactive aggregate, waterproofing and other chemical additives	
Max. aggregate size	7 – 10 mm	
Water demand	Approx. 14 – 18% (3.5 – 4.5 L/25 KG bag)	
Density	1.5 KG/L (dry) for Part A 2.3 KG/L (wet) for Part A mixed with Part B	
Pot life	Approx. 1 hour	
Thickness	Minimum 25 mm	
Coverage	Approx. 2.1 KG/m ² /mm	

Physical Properties

Compressive strength	BS 6319 : Part 2	> 60 N/mm ²
Slump test	BS EN 12350 – 2	< 75 mm
Slant shear bond strength	BS 6319 : Part 4	> 55 N/mm ²
Tensile strength	BS 6319 : Part 7	> 4.5 N/mm ²

Procedures

Substrate Preparations

- The concrete substrate must be hard, sound and free from surface contamination.
- All dust and contaminants should be vacuumed clean prior to installation.
- It is recommended to wash the substrate by using high pressure water jet.
- Joints should be formed in webermix grano 60 to BS8204.

Mixing and Installation

- Before application, dampen the substrate surface with clean water and allow excess water to drain away.
- Prepare the Weber bond coat slurry by mixing either webertec bond coat or webertec EVA with Ordinary Portland Cement (OPC) at a ratio of 1:1 (by weight), then stir thoroughly until a homogeneous mixture is obtained.
- Apply a layer of boat coat slurry by brushing on the concrete substrate.
- Apply the screeding material while the bond coat slurry is still wet and sticky.
- If the slurry coat dries, it must be thoroughly re-applied.
- Mix a bag of dry-mixed powder (Part A) (25 KG) with approx. 14 – 18% (3.5 – 4.5 L) of water with a mechanical pan mixer for 3 – 5 minutes.
- Mix thoroughly until the material is homogeneous and in the desired workability, then add the aggregate pack (Part B) and mix completely.
- Pour mixed webermix grano 60 on the floor when the priming bond coat slurry is still wet and sticky.
- webermix grano 60 is applied to minimum thickness of 25 mm and trowel to the required surface flatness.
- Mortar level pads are recommended to ensure correct and proper levelling
- After 7 days of curing, webermix grano 60 is suitable for tiling with receiving Weber TILE ADHESIVE and TILE GROUT or smoothing with Weber SELF-LEVELLING series products.
- Please refer to our method statement for procedures in details.

Curing

- webermix grano 60 can be cured with wet hessian, polyethylene or spray-on curing compound.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

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webermix ALC thin joint mortar

Cement-based dry-set mortar for thin jointing of ALC Blocks passing Fire Test BS 476.

webermix ALC thin joint mortar is a high quality water resistant dry-set mortar. It is designed for the masonry of Autoclaved Lightweight Concrete (ALC) blocks. It is specially formulated for filling of vertical and horizontal joints for ALC wall system. 2 – 3 mm thickness is sufficient for ALC blocks masonry.

Uses

- Masonry for ALC blocks

Features and Benefits

- Formulated to comply with British Standard and Chinese Standard
- Fire resistance of over 260 minutes at 1,300 °C
- Shrinkage compensated : reduce the chance of shrinkage cracks
- Single component : fixed mixing proportion, ensure the quality of work
- Thin layer application : less consumption of mortar
- Good levelling of wall; prevent descend of blocks

Complied Standards

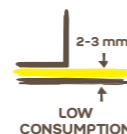
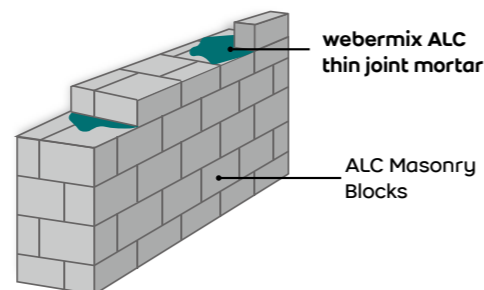
- British Standard : BS 476 : Part 22, BS 6319
- Chinese Standard : JC/T 890, GB/T25181



Packaging
40kg / bag

Storage life

12 months
if the product is kept in dry condition and stored in the original unopened packaging.



Technical Data

Colour	Grey
Component	Portland cement, non-reactive aggregate, graded sand and other chemical additives
Max. aggregate size	0.5 mm
Water demand	Approx. 26 – 28% (10.4 – 11.2 L /40 KG bag)
Density	1.5 KG/L (dry) 1.5 KG/L (wet) for 21% water demand
Pot life	Approx. 1 hour
Thickness	2 – 3 mm
Coverage	Approx. 1.3 KG/m ² /mm
Theoretical consumption	Approx. 16 m ² wall area per 40 KG bag for 600 x 200 x 100 mm ALC blockwall or equivalent. (Calculation based on mortar thickness of 2.5 mm)

Physical Properties

Fire resistance	BS 476 : Part 22	264 minutes fire resistance at 1,300 °C
Adhesion to concrete	JC/T 890	0.3 N/mm ²
Compressive strength	BS 6319 : Part 2, HKHA MTS Spec. Part D, Cl. 2.1.1	5 N/mm ²
Flexural strength	BS 6319 : Part 3	1.5 N/mm ²
Shrinkage	JC/T 890	< 1.1 mm/m

Procedures

Substrate Preparations

- All substrates should be firm and clean. Impurities and substances that may weaken the bond such as dust, oil, loose particles should be removed from ALC block surfaces.

Mixing and Installation

- Mix a bag of dry-mixed powder (40 KG) with approx. 26 – 28% (10.4 – 11.2 L) of water by using an electrical mixer for 2 – 3 minutes.
- Ensure ALC blocks joints are fully covered with the joint mortar by using a trowel.
- Blocks should be jointed before formation of film on the surface of the webermix ALC thin joint mortar. Completed joints should be covered by webermix ALC thin joint mortar with thickness of approx. 2 – 3 mm. Upon positioning of ALC blocks, immediately remove excess joint mortar from the surface of the joints before it sets. ALC wall should be laid to the correct alignment such that thin plasters can be applied on the completed wall internally. Allow webermix ALC thin joint mortar to set and harden for at least 24 – 48 hours to achieve its initial bond strength.
- Please refer to our method statement for procedures in details.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

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weberdeko base

Water resistant and pre-mixed cement-based sprayable plaster for thin application in interior and exterior conditions.

weberdeko base is a high quality water resistant cement-based thin plaster especially designed for thin plastering or surface improvement works to concrete and blockwalls or as a final coat on plastering surface. With its excellent durability and stability under weathering conditions, **weberdeko base** is a reliable and suitable skim coating material to be applied on substrates such as fairface concrete, rendered walls and also drywalls. It is suitable for both dry and wet interiors and exteriors. **weberdeko base** can directly receive paint.

Uses

- Interior thin wall rendering
- Exterior thin wall rendering
- Panel thin wall rendering
- Ceiling thin plastering

Features and Benefits

- Formulated to comply with European Norm, British Standard and Chinese Standard
- Single component : fixed mixing proportion, ensure the quality of work
- Specific design for thin spray plastering
- Shrinkage compensated : reduce the chance of shrinkage cracks
- Mould resistance, water resistance
- Suitable as a skim coat to receive paint
- Compatible to cementitious Weber RENDER series products

Complied Standards

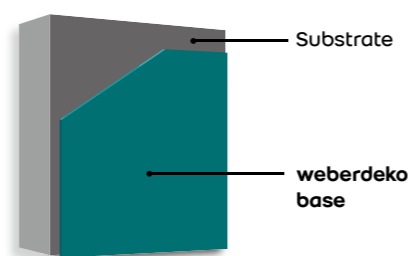
- European Norm : EN 1015
- British Standard : BS 4551, BS 6319
- Chinese Standard : JG/T 157, GB/T 1733, GB/T 9265, GB18582

* Note: The information and physical data in this catalogue is given to the best of our knowledge under standard testing method and controlled environment. The results may vary with different weather / site conditions, workmanship or substrates. This is beyond our control that we shall not be liable for any faults or consequences arising or associated with this. We suggest comprehensive tests to be conducted before final application. Unless specified, all technical data are average values with curing time of 28 days. We reserve the right to update or amend the contents in the light of new findings during the course of research and development.



Packaging
40kg / bag

Storage life
12 months
if the product is kept in dry condition and stored in the original unopened packaging.



Technical Data

Colour	Grey, white
Component	Portland cement, non-reactive aggregate, graded sand and other chemical additives
Max. aggregate size	0.5 mm
Water demand	Hand application: Approx. 26 – 28% (10.4 – 11.2 L/40 KG bag) Spray application: Approx. 28 – 30% (11.2 – 12 L/40 KG bag)
Density	1.3 KG/L (dry) 1.6 KG/L (wet) for 27% water demand
Pot life	Approx. 1 hour
Thickness	2 – 4 mm for 1 coat 5 – 8 mm for 2 coats
Coverage	Approx. 1.3 KG/m ² /mm
Theoretical consumption	Approx. 3.9 KG/m ² for thickness of 3 mm Approx. 10.25 m ² / 40 KG bag for thickness of 3 mm

Physical Properties

Adhesion to concrete	JG/T 157, EN 1015 : Part 12, HKHA MTS FIN M790.C - Initial adhesion strength - Adhesion strength after water immersion - Adhesion strength after heat ageing - Adhesion strength after freeze-thaw cycle	≥ 1.0 N/mm ² ≥ 0.7 N/mm ² ≥ 0.7 N/mm ² ≥ 0.7 N/mm ²
Compressive strength	EN 1015 - 11	≥ 5 N/mm ²
Flexural strength	BS 6319 : Part 3	≥ 3 N/mm ²
Shrinkage	Coutinho Ring HKHA MTS Spec. Part D, Cl. 2.1.6	no cracks observed
Water resistance	JG/T 157	Resistance to water immersion
Water retentivity	BS 4551	> 99%
Alkaline resistance	JG/T 157	Resistance to alkaline immersion
Formaldehyde content	GB18582	< 0.1 g/KG

Procedures

Substrate Preparations

- Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination on any traces of foreign materials affecting the adhesion of weberdeko base.
- Moisten the substrate the night before and also at the time before the commencement of operation. Neither stagnant water nor continuous water flow on substrate is allowed immediately prior to plastering.
- When the substrate is concrete of high fly ash content, the surface should be sealed with weberprim moisture sealer before hand.

Mixing and Installation

- Mix a bag of dry-mixed powder (40 KG) with appropriate amount of water (depending on the application mode) by using an electrical mixer for 3 – 7 minutes. For hand application, add approx. 26 – 28% (10.4 – 11.2 L) of water; for spray application, add approx. 28 – 30% (11.2 – 12 L) of water.
- A pumping machine is used for the pumping and spraying of weberdeko base. This machine would only accept wet materials and separate mixing is required.
- Plaster in thickness of 2 – 4 mm can be applied in one coat.
- Plaster in thickness of 5 – 8 mm can be applied in two separate coats on the same day, namely the respective thickness of the first coat and the second coat is 4 mm. The first coat has to be 80 – 90% dried or touched hard before the application of the second coat. Each coat should preferably not exceed 4 mm. The maximum thickness allowed to be applied on 1 day shall not be more than 8 mm in thickness over the same plaster area.
- Wait for 1 – 2 hours to release air bubbles from the substrate, a thin coat of plaster with thickness of 1 mm for final finishing.
- A European smoothing spatula with blade length of 300 – 600 mm is used for levelling and smoothing of thin plaster, and forming a smooth, flat and free of blemishes surface.
- Plastered surface for painting or for wallpaper should be smoothed by spatula. For better quality of paint work, it is recommended to wait for at least 3 days to reduce the alkalinity before painting.
- Please refer to our method statement for procedures in details.

Curing

- Water mists is preferred but not always necessary for interior application. However, water mist is required under the extreme hot or dry weather condition.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.



weberdeko finish

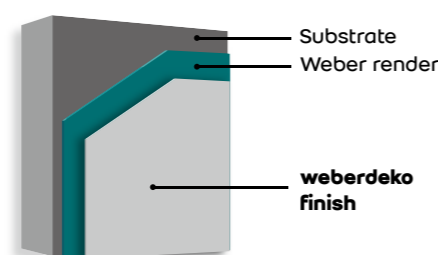
Water resistant and pre-mixed cement-based skim coat for interior and exterior conditions.

weberdeko finish is a specially blended pre-mixed powder for thin and final coat plaster finish on wall and ceiling or on plastering surface. It is a water resistant plaster which can be used in dry and / or wet interior and exterior conditions. It is suitable for hand application on concrete, lightweight concrete, GRC blockwork and rendered surfaces but not on painted surfaces. The surface can be further polished by ultra-fine sand paper to obtain an extra smooth surface.



Packaging
25kg / bag

Storage life
12 months
if the product is kept in dry condition and stored in the original unopened packaging.



Uses

- Interior and exterior skim coat for ceiling and wall
- To be applied on plastering surface
- To be applied on pre-cast wall panel or smooth concrete surface

Features and Benefits

- Formulated to comply with European Norm, British Standard and Chinese Standard
- Single component : fixed mixing proportion, ensure the quality of work
- Highly workable
- Mould resistance, water resistance
- Suitable as a skim coat to receive paint
- Extra smooth finishing after polish
- Compatible to cementitious products

Complied Standards

- European Norm : EN 1015
- British Standard : BS 4551, BS 6319, BS 5980 Appendix B
- Chinese Standard : JG/T 157, GB 18582, JG/T 3049 Type SZ N

Technical Data

Colour	Grey, white
Component	Portland cement, non-reactive fillers and other chemical additives
Max. aggregate size	0.5 mm
Water demand	Approx. 38 – 40% (9.5 – 10 L/25 KG bag)
Density	1.1 KG/L (dry) 1.1 KG/L (wet) for 39% water demand
Pot life	Approx. 1 hour
Thickness	0.5 – 2 mm
Coverage	Approx. 1.2 KG/m ² /mm
Theoretical consumption	Approx. 1.2 KG/m ² for thickness of 1 mm Approx. 21 m ² / 25 KG bag for thickness of 1 mm

Physical Properties

Adhesion to concrete	JG/T 157, EN 1015 : Part 12, HKHA MTS FIN M790.C - Initial adhesion strength - Adhesion strength after water immersion - Adhesion strength after heat ageing - Adhesion strength after freeze-thaw cycle	> 1.0 N/mm ² > 0.7 N/mm ² > 0.7 N/mm ² > 0.7 N/mm ²
Compressive strength	BS 6319 : Part 2	> 6 N/mm ²
Flexural strength	BS 6319 : Part 3	> 2 N/mm ²
Shrinkage	Coutinho Ring HKHA MTS Spec. Part D, Cl. 2.1.6	no cracks observed
Resistance to mould growth	BS 5980 Appendix B	no mould growth
Water resistance	JG/T 157	Resistance to water immersion
Water retentivity	BS 4551	> 99%
Alkaline resistance	JG/T 157	Resistance to alkaline immersion
Formaldehyde content	GB18582	< 0.1 g/KG

Procedures

Substrate Preparations

- Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination on any traces of foreign materials affecting the adhesion of weberdeko finish.
- Substrate is to be moistened the night before, and also at the time before the installation.
- When the substrate is concrete of high fly ash content, the surface should be sealed with weberprim moisture sealer before hand.

Mixing and Installation

- Mix a bag of dry-mixed powder (25 KG) with approximately 38 – 40% (9.5 – 10 L) of water by using an electrical mixer for 3 – 7 minutes.
- weberdeko finish of 0.5 – 2 mm thick can be applied in one coat.
- Wait for 1 – 2 hours to allow air bubbles release from the substrate. Trowel a thin layer of 0.5 - 1 mm thickness for final finishing.
- European smoothing spatula with blade length of 300 – 600 mm should be used for levelling and smoothing of thin plaster, and forming a smooth, flat and free of blemishes surface.
- Plastered surface for painting or for wallpaper should be smoothed by spatula. For better quality of paint work, it is recommended to wait for at least 3 days to reduce the alkalinity before painting.
- Please refer to our method statement for procedures in details.

Curing

- Water mists is preferred but not always necessary for interior application. However, water mist is required under the extreme hot or dry weather condition.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

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weberdeko putty

Water resistant and pre-mixed cement-based skim coat for interior conditions.

weberdeko putty is a specially blended pre-mixed powder for thin and final coat plaster finish on wall and ceiling or on plastering surface. It is a water resistant plaster which can be used in dry and / or wet interior conditions. It is suitable for hand application on concrete, lightweight concrete, blockwork and rendered surfaces but not on painted surfaces. The surface can be further polished by ultra-fine sand paper to obtain an extra smooth surface.

Uses

- Interior skim coat for ceiling and wall
- To be applied on plastering surface
- To be applied on pre-cast wall panel, smooth concrete surface, gypsum boards or cement boards

Features and Benefits

- Formulated to comply with European Norm, American Standard, British Standard and Chinese Standard
- Single component : fixed mixing proportion, ensure the quality of work
- Highly workable
- Mould resistance, water resistance and alkaline resistance
- Suitable as a skim coat to receive paint
- Extra smooth finishing after polish
- Compatible to cementitious products

Complied Standards

- European Norm : EN 1015
- American Standard : ASTM D3960
- British Standard : BS 3900, BS 6319
- Chinese Standard : JG/T 298 : Type SZ N 0.50, GB 18582

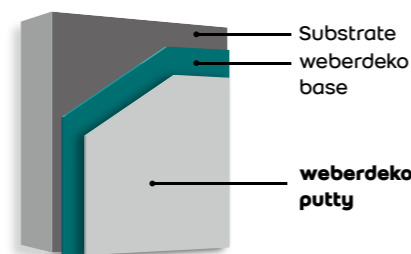
* Note: The information and physical data in this catalogue is given to the best of our knowledge under standard testing method and controlled environment. The results may vary with different weather / site conditions, workmanship or substrates. This is beyond our control that we shall not be liable for any faults or consequences arising or associated with this. We suggest comprehensive tests to be conducted before final application. Unless specified, all technical data are average values with curing time of 28 days. We reserve the right to update or amend the contents in the light of new findings during the course of research and development.



Packaging
25kg / bag

Storage life

12 months
if the product is kept in dry condition and stored in the original unopened packaging.



SKIM COAT



MOULD RESISTANT

Technical Data

Colour	White
Component	Portland cement, non-reactive fillers and other chemical additives
Max. aggregate size	0.1 mm
Water demand	Approx. 37 – 39% (9.25 – 9.75 L/25 KG bag)
Density	1.0 KG/L (dry) 1.1 KG/L (wet) for 38% water demand
Pot life	Approx. 2 hours
Thickness	0.5 – 2 mm
Coverage	Approx. 1.0 KG/m ² /mm
Theoretical consumption	Approx. 1.0 KG/m ² for thickness of 1 mm Approx. 25 m ² / 25 KG bag for thickness of 1 mm

Physical Properties

Adhesion to concrete	JG/T 3049, EN 1015 Part 12, HKHA MTS FIN M790. C - Initial adhesion strength - Adhesion strength after water immersion	> 0.7 N/mm ² > 0.5 N/mm ²
Compressive strength	EN 1015 Part 11	≥ 5 N/mm ²
Flexural strength	BS 6319 : Part 3, EN 1015 - 11	> 2 N/mm ²
Shrinkage	Coutinho Ring HKHA MTS Spec. Part D, Cl. 2.1.6	No cracks observed
Resistance to mould growth	BS 5980	No mould growth
Water resistance	GB/T 1733	Resistance to water immersion
Water retentivity	BS 4551	> 99%
VOC content	USEPA method 24	< 10 g/kg
Formaldehyde content	GB18582	< 10 mg/kg

Procedures

Substrate Preparations

- Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination on any traces of foreign materials affecting the adhesion of weberdeko putty.
- Substrate is to be moistened the night before, and also at the time before the installation.
- For wooden board or other highly water absorbent substrates, substrate surface must be primed with weberprim moisture sealer.
- When the substrate is concrete of high fly ash content, the surface should be sealed with weberprim moisture sealer before hand.

Mixing and Installation

- Mix a bag of dry-mixed powder (25 KG) with approximately 37 – 39% (9.25 – 9.75 L) of water by using an electrical mixer for 3 – 7 minutes.
- weberdeko putty of 0.5 – 2 mm thick can be applied in one coat.
- Press the weberdeko putty into the small holes in the substrate.
- Smooth the surface with trowel to remove the air bubbles on the surface of the weberdeko putty.
- When there are still bubbles on the surface, trowel the surface again.
- The weberdeko putty should be used within 2 hours.
- Plastered surface for painting or for wallpaper will be smoothened by spatulas. For better quality of paint work, it is recommended to polish the surface with 400 mesh sand paper within 24 – 48 hours.
- The weberdeko putty surface should be waited for at least 3 days to reduce the alkalinity.
- Please refer to our method statement for procedures in details.

Curing

- Water mists is preferred but not always necessary for interior application. However, water mist is required under the extreme hot or dry weather condition.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.



weberdeko tile filler

Water resistant and pre-mixed cement-based skim coat, specially designed for interior and exterior renovation conditions

weberdeko tile filler is a specially blended flexible pre-mixed powder for thin and final coat plaster for renovation purpose. It can be applied on old tiles and other substrates. It is a water resistant plaster which can be used in dry or wet interior and exterior conditions. **weberdeko tile filler** is suitable for hand application on mosaic tiles, ceramic tiles, marble and granite tiles but not on painted surfaces. It can also be applied on wooden board or metal board.

Uses

- Interior and exterior skim coat for ceiling and wall
- Skim coat for renovation on old tiles or other substrate
- To be applied on Weber render series products or plastering surface
- To be applied on pre-cast wall panel or smooth concrete surface

Features and Benefits

- Formulated to comply with European Norm, American Standard, British Standard and Chinese Standard
- Single component : fixed mixing proportion, ensure the quality of work
- Highly workable
- Mould resistance, water resistance and alkaline resistance
- Suitable as a skim coat to receive paint
- Extra smooth finishing after polish
- Compatible to cementitious products

Complied Standards

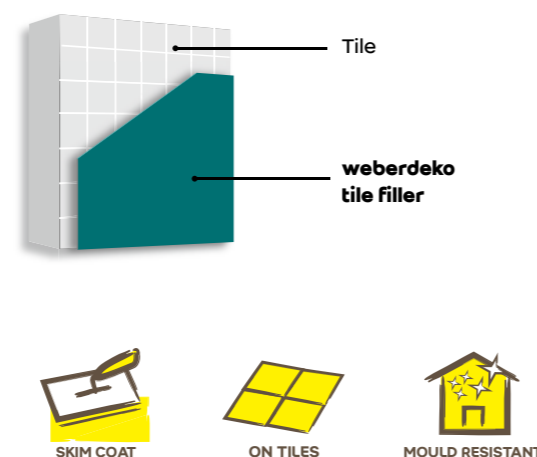
- Hong Kong Standard : HKHA MTS Spec. Part D, Cl.2.1.15 and Cl.2.1.6
- British Standard : BS 6319
- Chinese Standard : GB 18582



Packaging
25kg / bag

Storage life
12 months

if the product is kept in dry condition and stored in the original unopened packaging.



Technical Data

Colour	Grey, white
Component	Portland cement, non-reactive fillers and other chemical additives
Max. aggregate size	0.1 mm
Water demand	Grey: Approx. 25 – 28% (6.2 – 7 L/25 KG bag) White: Approx. 35 – 37% (8.8 – 9.3 L/25 KG bag)
Density	1.3 KG/L (dry) 1.6 KG/L (wet) for 36% water demand
Pot life	Approx. 1 hour
Thickness	1 – 3 mm
Coverage	Grey: Approx. 1.3 KG/m ² /mm White: Approx. 1.2 KG/m ² /mm
Theoretical consumption	Approx. 2.46 KG/m ² for thickness of 2 mm; Approx. 10.41 m ² /25 KG bag for thickness of 2 mm

Physical Properties

Adhesion to concrete	HKHA MTS Spec. Part D, Cl. 2.1.15 - Initial adhesion strength	1.0 N/mm ²
Compressive strength	BS 6319 : Part 2	8 N/mm ²
Flexural strength	BS 6319 : Part 3	3 N/mm ²
Shrinkage	Coutinho Ring, HKHA MTS Spec. Part D, Cl. 2.1.6	no cracks observed
Formaldehyde content	GB18582	< 0.1 g/KG

Procedures

Substrate Preparations

- Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination on any traces of foreign materials affecting the adhesion of weberdeko tile filler.
- Substrate is to be moistened the night before, and also at the time before the installation.
- Before on-tile renovation, old tile substrate with hollow and loosen tiles should be hacked off. The remaining old tiles should be scratched by hammer to assist the adhesion.
- When the substrate is concrete of high fly ash content, the surface should be sealed with weberprim moisture sealer before hand.

Mixing and Installation

- Mix a bag of dry-mixed powder (25 KG) by using an electrical mixer, with approximately 25 – 28% (6.2 – 7 L) of water for grey powder / 35 – 37% (8.8 – 9.3 L) of water for white powder.
- Allow mixing time of 3 – 7 minutes.
- Plaster in thickness of 1 – 3 mm can be applied in the first coat.
- Wait for 1 – 2 hours to allow air bubbles to release from the substrate. Trowel another layer of 0.5 – 1 mm thickness for final finishing.
- European smoothing spatula with blade length of 300 – 600 mm should be used for levelling and smoothing of thin plaster, and forming a smooth, flat and free of blemishes surface.
- Plastered surface for painting or for wallpaper should be smoothed by spatula. For better quality of paint work, it is recommended to wait for at least 3 days to reduce the alkalinity before painting.
- Please refer to our method statement for procedures in details.

Curing

- Water mists is preferred but not always necessary for interior application. However, water mist is required under the extreme hot or dry weather condition.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

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weberset 303

Strong polymerised thin bed tile adhesive for interior and exterior tile fixing complied with CITE class of EN 12004

weberset 303 is a cementitious, water resistant, and single component tile adhesive. It is designed simply to mix with water to give strong, non-slip, extended open time, and highly workable adhesive mortar for both interior and exterior applications. It is ideal for installation of porous and vitreous tiles such as marble, granite, ceramic, and homogenous tiles for walls and floors. Suitable substrates include concrete, cement plasters, gypsum boards, brickworks and ALC blockwalls.

Uses

- Tiling for tile size not greater than 600 mm x 300 mm
- Floor tiling for small and medium sized tiles
- Interior and exterior wall tiling on render or cement mortar
- Interior and exterior wall tiling on concrete. The concrete should be sufficiently wellaged or cured
- Tiling on gypsum board, cement board, dry wall, gypsum support and anhydrite substrate should be primed before hand with weberprim moisture sealer
- Tiling on cementitious waterproofing material such as the Weber WATERPROOFING series product

Features and Benefits

- Formulated to comply with European Norm, British Standard and Chinese Standard
- Strong adhesion under exterior weather conditions
- Single component : fixed mixing proportion, ensure the quality of work
- Thixotropic and easy-to-trowel, good workability
- Extended open time of 30 minutes
- Adjustable within 10 minutes
- Non-slip

Complied Standards

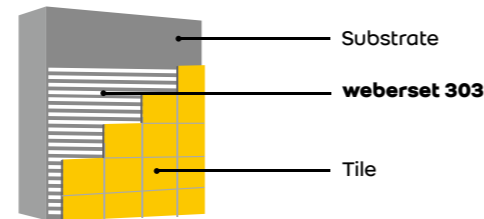
- European Norm : EN 12004 Class C1TE
- British Standard : BS 5980 Type 1 Class AA
- Chinese Standard : JC/T 547 Class C1TE



Packaging
40kg / bag

Storage life
12 months

if the product is kept in dry condition and stored in the original unopened packaging.



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Technical Data

Colour	Grey, white	
Component	Portland cement, non-reactive aggregate, graded sand and other chemical additives	
Max. aggregate size	1.0 mm	
Water demand	Grey: Approx. 26 – 29% (10.4 – 11.6 L/40 KG bag) White: Approx. 27 – 30% (10.8 – 12.0 L/40 KG bag)	
Density	Grey: 1.4 KG/L (dry) Grey: 1.4 KG/L (wet) for 26% water demand	White: 1.3 KG/L (dry) White: 1.5 KG/L (wet) for 27% water demand
Pot life	Approx. 3 hours	
Coverage	Grey: Approx. 1.15 KG/m ² /mm White: Approx. 1.2 KG/m ² /mm	

Physical Properties

Adhesion to concrete	EN 1348 - Initial adhesion strength - Adhesion strength after heat ageing - Adhesion strength after water immersion - Adhesion strength after freeze-thaw cycles	≥ 0.5 N/mm ² ≥ 0.5 N/mm ² ≥ 0.5 N/mm ² ≥ 0.5 N/mm ²
Shear adhesive strength	BS 5980	≥ 10 N/mm ²
Open time	EN 1346	30 minutes with ≥ 0.5 N/mm ² adhesive strength
Adjustment time	BS 5980	10 minutes
Slip resistance	EN 1308	≤ 0.5 mm
VOC content	USEPA Method 24	< 10 g/L

Thickness and Theoretical Consumption

Tile size (mm x mm x mm)	Recommended notch size (mm x mm)	Back buttering thickness (mm)	Total thickness (mm)	weberset 303 (GREY) consumption (KG/m ²)	weberset 303 (WHITE) consumption (KG/m ²)
45 x 95 x 6	6	Nil	2.5	2.9	3
45 x 145 x 6	6	Nil	2.5	2.9	3
100 x 100 x 7	6	Nil	2.5	2.9	3
200 x 200 x 7	6	1	3.5	4.0	4.2
300 x 300 x 10	6	2	4.5	5.2	5.4
300 x 600 x 10	6 - 8	2	6	6.9	7.2

Consumption (KG/m²) = Total thickness of weberset 303(mm) x Coverage (KG/m²/mm).

Procedures

Substrate Preparations

- Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination on any traces of foreign materials affecting the adhesion of weberset 303.

Mixing and Installation

- weberset 303 can be applied at least 7 days after the application of render.
- Before application, dampen the surface with clean water and allow excess water to drain away.
- Mix a bag of dry-mixed powder (40 KG) with appropriate amount of water by using an electrical mixer. Add approx. 26 – 29% (10.4 – 11.6 L) of water for grey powder / 27 – 30% (10.8 – 12.0 L) of water for white powder.
- Stir the mixture thoroughly for 5 – 7 minutes to obtain a creamy paste without lumps. Let the mixture stand for 10 minutes for the additives to dissolve, and then mix again before use.
- Apply weberset 303 by using a notched trowel directly onto substrate, over which tiling can be achieved within 30 minutes under normal temperature and humidity condition. Unfavourable weather conditions such as strong sunshine, low humidity, high wind speed, or highly water-absorbed substrates can reduce the open time of tile adhesive.
- When the surface of tile adhesive is dry, do not use water to wet the surface. It will form a very weak and non-adhesive layer.
- It is recommended to use Weber TILE GROUT for grouting 1 day after tiling.
- Please refer to our method statement for procedures in details.

Curing

- Natural air curing is enough for weberset 303.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.



weberset 353

High performance, high strength, highly flexible, strong polymerised thin bed tile adhesive for interior and exterior tile fixing complied with C2TE class of EN 12004.

weberset 353 is a high strength, high performance, cementitious, water resistant, and single component tile adhesive. It is designed simply to mix with water to give strong, nonslip, extended open time, and highly workable adhesive mortar for both interior and exterior applications. **weberset 353** is ideal for installation of porous and vitreous tiles such as marble, granite, ceramic, and homogenous tiles for walls and floors. Suitable substrates include concrete, cement plasters, gypsum boards, brickworks and ALC blockwalls.

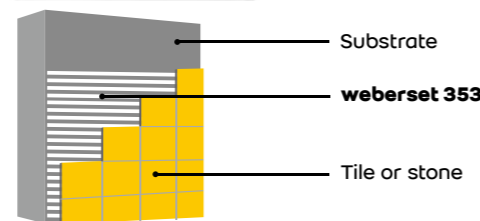
Packaging

40kg / bag



Storage life

12 months
if the product is kept in dry condition and stored in the original unopened packaging.



Complied Standards

- European Norm : EN 12004 Class C2TE
- American Standard : ASTM D3960
- British Standard : BS 5980 Type 1 Class AA
- Chinese Standard : JC/T 547 Class C2TE

Uses

- Tiling for large sized tiles and stones
- Floor tiling
- Interior and exterior wall tiling on render or cement mortar
- Interior and exterior wall tiling on concrete. The concrete should be sufficiently wellaged or cured
- Tiling on gypsum board, cement board, dry wall, gypsum support and anhydrite substrate should be primed before hand with weberprim moisture sealer
- Tiling on cementitious waterproofing material such as the Weber WATERPROOFING series product

Features and Benefits

- Formulated to comply with European Norm, American Standard, British Standard and Chinese Standard
- Extra adhesion under exterior weather conditions, especially for exterior condition
- Single component : fixed mixing proportion, ensure the quality of work
- Thixotropic and easy-to-trowel, good workability
- Extended open time of 30 minutes
- Non-slip

Technical Data

Colour	Grey, white	
Component	Portland cement, non-reactive aggregate, graded sand and other chemical additives	
Max. aggregate size	1.0 mm	
Water demand	Grey: Approx. 26 – 29% (10.4 – 11.6 L/40 KG bag) White: Approx. 27 – 30% (10.8 – 12.0 L/40 KG bag)	
Density	Grey: 1.3 KG/L (dry) Grey: 1.4 KG/L (wet) for 26% water demand	White: 1.2 KG/L (dry) White: 1.5 KG/L (wet) for 27% water demand
Pot life	Approx. 3 hours	
Coverage	Grey: Approx. 1.15 KG/m ² /mm	White: Approx. 1.2 KG/m ² /mm

Physical Properties

Adhesion to concrete	EN 1348, JC/T 547	
	- Initial adhesion strength	1.9 N/mm ²
	- Adhesion strength after heat ageing	1.6 N/mm ²
	- Adhesion strength after water immersion	1.1 N/mm ²
Open time	EN 1346	1.4 N/mm ²
		30 minutes with
		> 0.5 N/mm ² adhesive strength
Adjustment time	BS 5980	10 minutes
Slip resistance	EN 1308	≤ 0.5 mm
VOC content	USEPA Method 24	<10 g/L
Suitability for use in contact with portable water	BS 6920 section 2	
	- Odour and Flavour	Complied
	- Appearance	Complied
	- Growth of aquatic micro-organisms	Complied
	- Extraction of substances that may be of concern to public health	Complied
	- Extraction of metal	Complied

Thickness and Theoretical Consumption

Tile size (mm x mm x mm)	Recommended notch size (mm x mm)	Back buttering thickness (mm)	Total thickness (mm)	weberset 353 (GREY) consumption (KG/m ²)	weberset 353 (WHITE) consumption (KG/m ²)
45 x 95 x 6	6	Nil	2.5	2.9	3
45 x 145 x 6	6	Nil	2.5	2.9	3
100 x 100 x 7	6	Nil	2.5	2.9	3
200 x 200 x 7	6	1	3.5	4.0	4.2
300 x 300 x 10	6	2	4.5	5.2	5.4
300 x 600 x 10	6 - 8	2	6	6.9	7.2
600 x 600 x 15	8 - 10	2	6	6.9	7.2
1,000 x 1,000 x 20	10 - 12	2	6	6.9	7.2

Consumption (KG/m²) = Total thickness of weberset 353 (mm) x Coverage (KG/m²/mm).

Procedures

Substrate Preparations

- Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination on any traces of foreign materials affecting the adhesion of weberset 353.

Mixing and Installation

- weberset 353 can be applied at least 7 days after the application of render.
- Before application, dampen the surface with clean water and allow excess water to drain away.
- Mix a bag of dry-mixed powder (40 KG) with appropriate amount of water by using an electrical mixer. Add approx. 26 – 29% (10.4 – 11.6 L) of water for grey powder / 27 – 30% (10.8 – 12.0 L) of water for white powder.
- Stir the mixture thoroughly for 5 – 7 minutes to obtain a creamy paste without lumps. Let the mixture stand for 10 minutes for the additives to dissolve, and then mix again before use.
- Apply weberset 353 by using a notched trowel directly onto substrate, over which tiling can be achieved within 30 minutes under normal temperature and humidity condition. Unfavourable weather conditions such as strong sunshine, low humidity, high wind speed, or highly water-absorbed substrates can reduce the open time of tile adhesive.
- When the surface of tile adhesive is dry, do not use water to wet the surface. It will form a very weak and non-adhesive layer.
- It is recommended to use Weber TILE GROUT for grouting 1 day after tiling.
- Please refer to our method statement for procedures in details.

Curing

- Natural air curing is enough for weberset 353.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

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weberset 383

Extra strength, highly flexible, high performance, deformable polymerised thin bed tile adhesive for interior and exterior tile fixing complied with C2TE class of EN 12004 and S1 class of EN 12002 (S2 class can be achieved by adding webertec EVA)

weberset 383 is a deformable, highly flexible, water resistant, and single component cementitious tile adhesive. It is designed simply to mix with water to give strong, non-slip, extended open time, and highly workable adhesive mortar for both interior and exterior applications. It is deal designed for installation of different kinds of tiles and especially for tile-on-tile and renovation applications. Suitable substrates include concrete, cement plasters, gypsum boards, brickworks and ALC blockwalls. It is also applicable on wood and metal substrate. **weberset 383** is highly flexible, extra flexibility (S2 class of EN 12002) can be achieved by adding webertec EVA.

Uses

- Tiling for large sized tiles and stones
- Tiling on old tiles
- Can be tiled on wood and metal substrate with less adhesive strength compared to cementitious substrate
- Tiling on underfloor heating system
- Floor tiling subject to heavy stress
- Interior and exterior wall tiling on render or cement mortar
- Interior and exterior wall tiling on concrete. The concrete should be sufficiently wellaged or cured
- Tiling on gypsum board, cement board, dry wall, gypsum support and anhydrite substrate should be primed before hand with weberprim moisture sealer
- Tiling on cementitious waterproofing material such as the Weber WATERPROOFING series product

Features and Benefits

- Formulated to comply with European Norm, American Standard and Chinese Standard
- Specially formulated for renovation and application on old tile
- Extra adhesion under exterior weather conditions, especially for exterior condition
- Single component : fixed mixing proportion, ensure the quality of work
- Thixotropic and easy-to-trowel, good workability
- Extended open time of 30 minutes
- Non-slip

Complied Standards

- European Norm : EN 12004 Class C2TE, EN 12002 : Class S1 or S2 (if webertec EVA is added)
- American Standard : ASTM D3960
- Chinese Standard : JC/T 547 Class C2TE S1

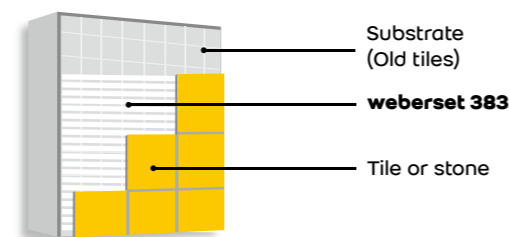


Packaging

40kg / bag

Storage life

12 months
if the product is kept in dry condition and stored in the original unopened packaging.



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Technical Data

Colour	Grey, white	
Component	Portland cement, non-reactive aggregate, graded sand and other chemical additives	
Max. aggregate size	1.0 mm	
Water demand	Grey: Approx. 24 – 27% (9.6 – 10.8 L/40 KG bag) White: Approx. 27 – 30% (10.8 – 12.0 L/40 KG bag)	
Density	Grey: 1.3 KG/L (dry) Grey: 1.4 KG/L (wet) for 26% water demand	White: 1.2 KG/L (dry) White: 1.4 KG/L (wet) for 27% water demand
Pot life	Approx. 3 hours	
Coverage	Grey: Approx. 1.15 KG/m ² /mm	White: Approx. 1.15 KG/m ² /mm

Physical Properties

Adhesion to concrete	EN 1348 - Initial adhesion strength - Adhesion strength after heat ageing - Adhesion strength after water immersion - Adhesion strength after freeze-thaw cycles	2.4 N/mm ² 2.7 N/mm ² 1.3 N/mm ² 1.7 N/mm ²
Open time	EN 1346	30 minutes with > 0.5 N/mm ² adhesive strength
Slip resistance	EN 1308	≤ 0.5 mm
Deformability	EN 12002	S1 deformable S2 deformability can be achieved by addition of webertec EVA
VOC content	ASTM D3960	< 10 g/L

Thickness and Theoretical Consumption

Tile size (mm x mm x mm)	Recommended notch size (mm x mm)	Back buttering thickness (mm)	Total thickness (mm)	weberset 383 (GREY) consumption (KG/m ²)	weberset 383 (WHITE) consumption (KG/m ²)
45 x 95 x 6	6	Nil	2.5	2.9	3
45 x 145 x 6	6	Nil	2.5	2.9	3
100 x 100 x 7	6	Nil	2.5	2.9	3
200 x 200 x 7	6	1	3.5	4.0	4.2
300 x 300 x 10	6	2	4.5	5.2	5.4
300 x 600 x 10	6 - 8	2	6	6.9	7.2
600 x 600 x 15	8 - 10	2	6	6.9	7.2
1,000 x 1,000 x 20	10 - 12	2	6	6.9	7.2

Consumption (KG/m²) = Total thickness of weberset 383 (mm) x Coverage (KG/m²/mm).

Procedures

Substrate Preparations

- Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination on any traces of foreign materials affecting the adhesion of weberset 383.

Mixing and Installation

- weberset 383 can be applied at least 7 days after the application of render.
- Before application, dampen the surface with clean water and allow excess water to drain away.
- Mix a bag of dry-mixed powder (40 KG) with appropriate amount of water by using an electrical mixer. Add approx. 24 – 27% (9.6 – 10.8 L) of water for grey powder / 27 – 30% (10.8 – 12.0 L) of water for white powder.
- Stir the mixture thoroughly for 5 – 7 minutes to obtain a creamy paste without lumps. Let the mixture stand for 10 minutes for the additives to dissolve, and then mix again before use.
- Apply weberset 383 by using a notched trowel directly onto substrate, over which tiling can be achieved within 30 minutes under normal temperature and humidity condition.
- Unfavourable weather conditions such as strong sunshine, low humidity, high wind speed, or highly water-absorbed substrates can reduce the open time of tile adhesive.
- When the surface of tile adhesive is dry, do not use water to wet the surface. It will form a very weak and non-adhesive layer.
- It is recommended to use Weber TILE GROUT for grouting 1 day after tiling.
- Please refer to our method statement for procedures in details.

Curing

- Natural air curing is enough for weberset 383.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.



weberset 393

High Compressive Strength and Extra-High Shear Strength, Deformable polymerized tile adhesive for interior and exterior tile fixing, complied with C2TE class of EN 12004 and S1 class of EN 12002.

weberset 393 is a superior two component cementitious tile adhesive formulated with supreme working characteristics with high strength but deformable and flexible. The high compressive strength characteristic allows heavy loading and traffic on top, and its extra high shear strength is ideal for fixing for large and heavy stone or tile. Its specially engineered polymer prevents water infiltration greatly, which provides excellent weather protection in exterior tile fixing. Also, the deformable nature can endure vibration and deformation from the substrate. It is installation of different kinds of tiles and stones to deformable substrate such as metal plate, gypsum board and wooden substrate.

Uses

- Internal and External tiling
- Floor tiling subject to heavy stress
- Tiling on under-floor heating system
- Fixing for large sized tiles and stone
- Tiling on vibration substrate, such as metal plate
- Tiling on old tiles
- Tiling on gypsum board, cement board, dry wall, gypsum support and anhydrite substrate should be primed before hand with weberprim moisture sealer
- Tiling on cementitious waterproofing material such as Weber WATERPROOFING SERIES

Features and Benefits

- High Compressive Strength, allow heavy loading and traffic on top
- Extra-high Shear Strength, ideal for fixing large and heavy stone or tile
- Extra adhesion under exterior weather condition, specially for exterior condition
- S1 class deformability which allows tiling on substrate subject to vibration
- Extreme-low water infiltration rate, prefect for exterior tile fixing
- Formulated to comply with European Norm, Chinese Standard and American Standard
- Extended open time of 30 minutes
- Non-slip
- Thixotropic and easy to trowel, good workability
- Can be upgraded to S2 class deformation by extra gauging liquid

Complied Standards

- European Norm : EN 12004 Class C2TE, EN 12002 Class S1 (Can be upgraded to S2 by gauging liquid)
- American Standard : ANSI A118.4, USEPA method 24
- Chinese Standard : JC/T 547 Class C2TE S1, GB/T 23445

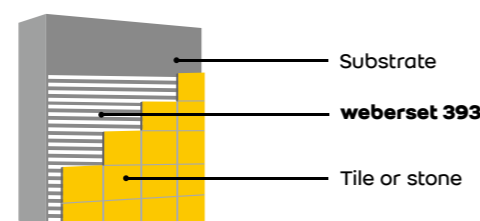


Packaging

**25kg powder / bag
and
7 L emulsion /
drum**

Storage life

12 months
if the product is kept
in dry condition and
stored in the original
unopened packaging.



TWO COMPONENT



REDUCED SLIPPING



GOOD ADHESION

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Technical Data

Colour	Grey, white	
Component	Portland cement, polymer emulsion, non-reactive aggregate, graded sand and other chemical additives	
Max. aggregate size	0.5 mm	
Liquid demand	7 L emulsion / 25 KG bag (Extra gauging liquid is needed to achieve S2 class)	
Density	Grey: 1.2 KG/L (dry) Grey: 1.3 KG/L (wet)	White: 1.2 KG/L (dry) White: 1.3 KG/L (wet)
Pot life	Approx. 3 hours	
Coverage	Grey: Approx. 1.56 KG/m ² /mm Approx. 20.5 m ² /mm/set	White: Approx. 1.56 KG/m ² /mm

Physical Properties

Adhesion to concrete	EN 1348 - Initial adhesion strength - Adhesion strength after heat ageing - Adhesion strength after water immersion - Adhesion strength after freeze-thaw cycles	≥ 3.4 N/mm ² 3.7 N/mm ² 1.0 N/mm ² 2.2 N/mm ²
Open time	EN 1346	30 minutes with > 0.5 N/mm ² adhesive strength
Slip resistance	EN 1308	≤ 0.5 mm
Deformability	EN 12002	S1 deformable S2 deformability can be achieved by gauging liquid
Compressive strength	ANSI A118.4	35.3 N/mm ²
Shear strength	BS EN 12003 - 7 days	3.4 N/mm ²
Water impermeability Pressure	GB/T 23445	≥ 1.5 N/mm ²
Total VOC content	USEPA method 24	< 10 g/L

Thickness And Theoretical Consumption

Tile size (mm x mm x mm)	Recommended notch size (mm x mm)	Back buttering thickness (mm)	Total thickness (mm)	weberset 393 consumption (KG/m ²)
45 x 95 x 6	6	Nil	2.5	2.9
45 x 145 x 6	6	Nil	2.5	2.9
100 x 100 x 7	6	Nil	2.5	2.9
200 x 200 x 7	6	1	3.5	4.0
300 x 300 x 10	6	2	4.5	5.2
300 x 600 x 10	6 - 8	2	6	6.9
600 x 600 x 15	8 - 10	2	6	6.9
1,000 x 1,000 x 20	10 - 12	2	6	6.9

Consumption (KG/m²) = Total thickness of weberset 393 (mm) x Coverage (KG/m²/mm).

Procedures

Substrate Preparations

- Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination on any traces of foreign materials affecting the adhesion of weberset 393.

Mixing and Installation

- weberset 393 can be applied at least 7 days after the application of render.
- Before application, dampen the surface with clean water and allow excess water to drain away.
- Mix a bag of dry mix powder (25 kg) with 7L emulsion liquid by using an electrical mixer. If needed, extra drum of gauging liquid is added to achieve S2 deformability. Slight add water (<1L) to fine tune the workability.
- Stir the mixture thoroughly for 5 - 7 minutes to obtain a creamy paste without lumps. Let the mixture stand for 10 minutes for the additives to dissolve, and then mix again before use.
- Apply weberset 393 by using a notched trowel directly onto substrate, over which tiling can be achieved within 30minutes under normal temperature and humidity condition.
- Unfavourable weather conditions such as strong sunshine, low humidity, high wind speed, or highly water-absorbed substrates reduce the open time of tile adhesive.
- When the surface of tile adhesive is dry, do not use water to wet the surface. It will form a very weak and non-adhesive layer.
- It is recommended to use Weber TILE GROUT for grouting 1 day after tiling.
- Please refer to our method statement for procedures in details.

Curing

- Natural air curing is enough for weberset 393.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.



weberset TF eco

Eco-Friendly, CO2 Emission reduced, high performance, strong polymerised thin bed low cement tile adhesive with efflorescence resistance properties, designed for interior and exterior tile fixing complied with C2TE class of BS EN 12004:2007+A1:2012.

weberset TF eco is a eco-friendly single component tile adhesive. It is designed simply to mix with water to give strong, non-slip, and highly workable adhesive mortar for both interior and exterior applications. With efflorescence resistance properties, it is ideal for installation of porous and vitreous tiles such as marble, granite, ceramic, and homogenous tiles for walls and floors. Suitable substrates include concrete, cement plasters, gypsum boards, brickworks and ALC blockwalls.

Uses

- Tiling for large sized tiles & stones
- Floor tiling
- Interior and exterior wall tiling on render or cement mortar
- Interior and exterior wall tiling on concrete. The concrete should be sufficiently well-aged or cured
- Tiling on gypsum board, cement board, dry wall, gypsum support and anhydrite support as long as the substrate is recommended primed with weberprim moisture sealer
- Tiling on cementitious waterproofing material such as the weber waterproofing series product

Features and Benefits

- Formulated to comply with European Norm
- Complied with HK G-PASS Platinum rating
- Extra adhesion under exterior weather conditions, especially for exterior condition
- Single component : fixed mixing proportion, ensure the quality of work
- Shrinkage compensated : reduce the chance of shrinkage cracks
- Thixotropic and easy-to-trowel, good workability
- Extended open time of 30 minutes
- Non-slip

Complied Standards

- European Norm : BS EN 12004:2007+A1:2012 Class C2TE
- Chinese Standard : JC/T 1024 : 2007

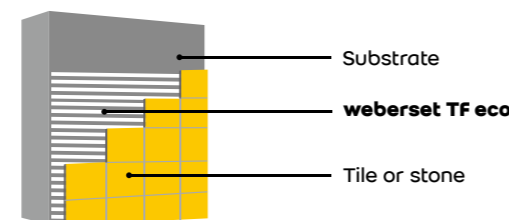


Packaging

25kg / bag

Storage life

6 months
if the product is kept in dry condition and stored in the original unopened packaging.



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Technical Data

Colour	Grey
Component	Ground granulated blast furnace slag, polymer additive, chemical additives, non-reactive aggregate, graded sand
Max. aggregate size	1.0 mm
Water demand	Approx. 24-27%(6-6.75L/25kg bag)
Density	1.45-1.55KG/L(wet)
Pot life	Approx. 55 mins
Coverage	Approx. 1.25 KG/m ² /mm

Physical Properties

Adhesion to concrete	EN 12004:2007+A1:2012 Class C2TE - Initial adhesion strength - Adhesion strength after heat ageing - Adhesion strength after water immersion - Adhesion strength after freeze-thaw cycles	≥ 1 N/mm ² ≥ 1 N/mm ² ≥ 1 N/mm ² ≥ 1 N/mm ²
Open time	EN 1346	30 minutes with > 0.5 N/mm ² adhesive strength
Adjustment time	BS 5980	10 minutes
Resistance to Efflorescence	JC/T 1024	No efflorescence after 21 cycles
Slip resistance	EN 1308	≤ 0.5 mm
VOC content	USEPA Method 24	< 10 g/L

Thickness and Theoretical Consumption

Tile size (mm x mm x mm)	Recommended notch size (mm x mm)	Back buttering thickness (mm)	Total thickness (mm)	weberset TF eco consumption (KG/m ²)
45 x 45 x 6	6	Nil	2.5	3
95 x 45 x 6	6	Nil	2.5	3
100 x 100 x 7	6	Nil	2.5	3
200 x 200 x 7	6	1	3.5	4.2
300 x 300 x 10	6	2	4.5	6.4
600 x 300 x 10	6 - 8	2	6	7.2
600 x 600 x 15	8 - 10	2	6	7.2
1000 x 1000 x 20	10 - 12	2	6	7.2

Consumption (KG/m²) = Total thickness of weberset TF eco (mm) x Coverage (KG/m²/mm).

Procedures

Substrate Preparations

- Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination on any traces of foreign materials affecting the adhesion of weberset TF eco.

Mixing and Installation

- weberset TF eco can be applied at least 7 days after the application of render.
- Before application, dampen the surface with clean water and allow excess water to drain away.
- Mix a bag of dry mix powder (25 kg) with approx. 24 - 27% (6 - 6.75 L) of water mixer. Actual water demand should be adjusted in accordance with the site condition.
- Stir the mixture thoroughly for 5 - 7 minutes to a creamy paste without lumps.
- Apply weberset TF eco by using a notched trowel directly onto substrate, over achieved within 30 minutes under normal temperature and humidity condition. Do not spread weberset TF eco more than 1 m² before tiling.
- Unfavourable weather conditions such as strong sunshine, low humidity, high wind speed, or highly water-absorbed substrates reduce the open time of tile adhesive.
- When the surface of tile adhesive is dried, do not use water to wet the surface. It will form a very weak and non-adhesive layer.
- It is recommended to use webergrout fine for grouting 6 hours after tiling
- For fixing light colour natural stones in continuous wet floor areas, please consult our Technical department for details. Please refer to our method statement for procedures in details.

Curing

- Natural air curing is enough for weberset TF eco.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.



weberset TF eco plus

Eco-Friendly, CO2 Emission reduced, high performance, strong polymerised thin bed low cement tile adhesive with efflorescence resistance properties, designed for interior and exterior tile fixing complied with **C2TE S1 class** of BS EN 12004:2007+A1:2012.

weberset TF eco plus is an eco-friendly single component tile adhesive. It is designed simply to mix with water to give strong, non-slip, and highly workable adhesive mortar for both interior and exterior applications. With efflorescence resistance properties, it is ideal for installation of porous and vitreous tiles such as marble, granite, ceramic, and homogenous tiles for walls and floors. Suitable substrates include concrete, cement plasters, gypsum boards, brickworks and ALC blockwalls.

Uses

- Tiling for large sized tiles & stones
- Floor tiling
- Interior and exterior wall tiling on render or cement mortar
- Interior and exterior wall tiling on concrete. The concrete should be sufficiently well-aged or cured
- Tiling on gypsum board, cement board, dry wall, gypsum support and anhydrite support as long as the substrate is recommended primed with weberprim moisture sealer
- Tiling on cementitious waterproofing material such as the weber waterproofing series product

Features and Benefits

- Formulated to comply with C2TE S1 class
- Comply with HK G-PASS Platinum rating
- Extra adhesion under exterior weather conditions, especially for exterior condition
- Single component : fixed mixing proportion, ensure the quality of work
- Shrinkage compensated : reduce the chance of shrinkage cracks
- Thixotropic and easy-to-trowel, good workability
- Extended open time of 30 minutes
- Non-slip

Complied Standards

- European Norm: BS EN 12004:2007+A1:2012 Class C2TES1
- Chinese Standard: JC/T 1024 : 2007

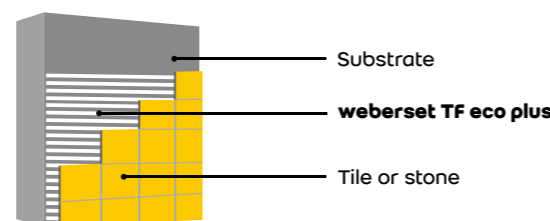


Packaging

25kg / bag

Storage life

6 months
if the product is kept in dry condition and stored in the original unopened packaging.



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Technical Data

Colour	Grey
Component	Ground granulated blast furnace slag, polymer additive, chemical additives, non-reactive aggregate, graded sand
Max. aggregate size	1.0 mm
Water demand	Approx. 25-28%(6.3 - 7L / 25kg bag)
Density	1.45~1.55KG/L(wet)
Pot life	Approx. 55 mins
Coverage	Approx. 1.25 KG/m ² /mm

Physical Properties

Adhesion to concrete	EN 12004:2007+A1:2012 Class C2TES1 - Initial adhesion strength - Adhesion strength after heat ageing - Adhesion strength after water immersion - Adhesion strength after freeze-thaw cycles	≥ 1 N/mm ² ≥ 1 N/mm ² ≥ 1 N/mm ² ≥ 1 N/mm ²
Open time	EN 1346	30 minutes with ≥ 0.5 N/mm ² adhesive strength
Deformability	EN12002:2002	S1 deformable
Adjustment time	BS 5980	10 minutes
Resistance to Efflorescence	JC/T 1024	No efflorescence after 21 cycles
Slip resistance	EN 1308	≤ 0.5 mm
VOC content	USEPA Method 24	< 10 g/L

Thickness and Theoretical Consumption

Tile size (mm x mm x mm)	Recommended notch size (mm x mm)	Back buttering thickness (mm)	Total thickness (mm)	weberset TF eco plus consumption (KG/m ²)
45 x 45 x 6	6	Nil	2.5	3
95 x 45 x 6	6	Nil	2.5	3
100 x 100 x 7	6	Nil	2.5	3
200 x 200 x 7	6	1	3.5	4.2
300 x 300 x 10	6	2	4.5	6.4
600 x 300 x 10	6 - 8	2	6	7.2
600 x 600 x 15	8 - 10	2	6	7.2
1000 x 1000 x 20	10 - 12	2	6	7.2

Consumption (KG/m²) = Total thickness of weberset TF eco plus (mm) x Coverage (KG/m²/mm).

Procedures

Substrate Preparations

- Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination on any traces of foreign materials affecting the adhesion of weberset TF eco plus.

Mixing and Installation

- weberset TF eco plus can be applied at least 7 days after the application of render.
- Before application, dampen the surface with clean water and allow excess water to drain away.
- Mix a bag of dry mix powder (25 kg) with approx. 25 - 28% (6.3 - 7 L) of water by using an electric mixer. Actual water demand should be adjusted in accordance with the site condition.
- Stir the mixture thoroughly for 5 - 7 minutes to a creamy paste without lumps.
- Apply weberset TF eco plus by using a notched trowel directly onto substrate, over which tiling can be achieved within 30 minutes under normal temperature and humidity condition. Do not spread weberset TF eco plus more than 1 m² before tiling.
- Unfavourable weather conditions such as strong sunshine, low humidity, high wind speed, or highly water-absorbed substrates reduce the open time of tile adhesive.
- When the surface of tile adhesive is dried, do not use water to wet the surface. It will form a very weak and non-adhesive layer.
- It is recommended to use webergrout fine for grouting 6 hours after tiling
- For fixing light colour natural stones in continuous wet floor areas, please consult our Technical department for details. Please refer to our method statement for procedures in details.

Curing

- Natural air curing is enough for weberset TF eco plus.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.



weberset effloguard TF

High strength, deformable, low alkalinity tile adhesive for all kinds of tile with efflorescence resistance properties complied with C2TE class of EN 12004 and S1 class of EN 12002.

weberset effloguard TF is a high strength, deformable polymerized tile adhesive for all kinds of tiles installation. The product is made by low alkalinity binders which reduce the formation of efflorescence. It is suitable for low water absorption tiles for internal and external wall. Suitable substrates are concrete, cement plasters, gypsum boards, brickworks and ALC blockwalls. It is more appropriate to apply other Weber EFFLOGUARD Series products together for a better efflorescence resistance performance.

Uses

- Specially suitable for exterior and in wet condition wall and floor tile fixing
- Tiling for low water absorption tile, such as homogeneous tile
- Tiling for large sized tile up to 1m x 1m

Features and Benefits

- Lower alkalinity to reduce chances of efflorescence
- Deformable, suitable for deformable substrate
- Extra adhesion under exterior weather condition, specially for exterior condition
- Single component: fixed mixing proportion, ensure the quality of work
- Non-slip
- Formulated to comply with European Norm and Chinese Standard
- Complied with HK G-PASS Gold rating

Complied Standards

- European Norm : EN 12004 Class C2TE, EN 12002 Class S1, EN 12859
- Chinese Standard : JC/T 1024, JC/T 547 Class C2TE S1
- American Standard : USEPA method 24

TECHNICAL DATA

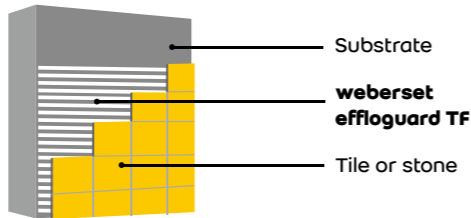
Colour	Beige white
Component	Low Portlandite cement system, polymer additive, chemical additives, non-reactive aggregate, graded sand
Max. aggregate size	0.5 mm
Water demand	Approx. 25 – 28% (6.3 – 7 L/25 kg bag)
Density	1.3 kg/L (dry) 1.6 kg/L (wet) for using 26% water demand
Pot life	Approx. 45 mins
Coverage	Approx. 1.2 kg/m ² /mm



Packaging
25kg / bag

Storage life
6 months

if the product is kept in dry condition and stored in the original unopened packaging.



Physical Properties

Adhesion to concrete	EN 1348, JC/T 547 - Initial adhesion strength - Adhesion strength after heat ageing - Adhesion strength after water immersion - Adhesion strength after freeze-thaw cycles	2.0 N/mm ² 2.5 N/mm ² 1.7 N/mm ² 2.3 N/mm ²
Open time	EN 1346	30 minutes with ≥ 0.5 N/mm ² adhesive strength
Slip resistance	EN 1308	≤ 0.5 mm
Transverse Deformation	EN 12002	S1 class
Resistance to Efflorescence	JC/T 1024	No efflorescence after 21 cycles
pH value	EN 12859	10 - 11
Total VOC content	USEPA method 24	< 10 g/L

Thickness and Theoretical Consumption

Tile size (mm x mm x mm)	Recommended notch size (mm x mm)	Back buttering thickness (mm)	Total thickness (mm)	weberset effloguard TF consumption (KG/m ²)
45 x 95 x 6	6	Nil	2.5	3
45 x 145 x 6	6	Nil	2.5	3
100 x 100 x 7	6	Nil	2.5	3
200 x 200 x 7	6	1	3.5	4.2
300 x 300 x 10	6	2	4.5	6.4
300 x 600 x 10	6 - 8	2	6	7.2
600 x 600 x 15	8 - 10	2	6	7.2
1,000 x 1,000 x 20	10 - 12	2	6	7.2

Consumption (KG/m²) = Total thickness of weberset effloguard TF (mm) x Coverage (KG/m²/mm).

Procedures

Substrate Preparations

- Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination on any traces of foreign materials affecting the adhesion of weberset effloguard TF.

Mixing and Installation

- weberset effloguard TF can be applied at least 7 days after the application of render.
- Before application, dampen the surface with clean water and allow excess water to drain away.
- Mix a bag of dry mix powder (25 kg) with approx. 25 – 28% (6.3 – 7 L) of water by using an electric mixer. Actual water demand should be adjusted in accordance with the site condition.
- Stir the mixture thoroughly for 3 – 5 minutes to a creamy paste without lumps.
- Apply weberset effloguard TF by using a notched trowel directly onto substrate, over which tiling can be achieved within 30 minutes under normal temperature and humidity condition. Do not spread weberset effloguard TF more than 1 m² before tiling. Unfavourable weather conditions such as strong sunshine, low humidity, high wind speed, or highly water-absorbed substrates reduce the open time of tile adhesive.
- When the surface of tile adhesive is dried, do not use water to wet the surface. It will form a very weak and non-adhesive layer.
- It is recommended to use weberset effloguard TF for grouting 6 hours after tiling.
- For fixing light colour natural stones in continuous wet floor areas, please consult our Technical department for details.
- Please refer to our method statement for procedures in details.

Curing

- Natural air curing is enough for weberset effloguard TF.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

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weberset fast fix

Fast setting, high performance, high strength, highly flexible, strong polymerised thin bed tile adhesive for interior and exterior tile fixing complied with C2FTE class of EN 12004 and S1 class of EN 12002 (S2 class can be achieved by adding webertec EVA).

weberset fast fix is a high strength, high performance, cementitious, water resistant, and single component tile adhesive. It is designed simply to mix with water to give strong, non-slip, and highly workable adhesive mortar for both interior and exterior applications with setting time of 6 hours. It is specially designed for renovation purpose with fast setting time. **weberset fast fix** is ideal for installation of porous and vitreous tiles such as marble, granite, ceramic, and homogenous tiles for walls and floors. Suitable substrates include concrete, cement plasters, gypsum boards, brickworks and ALC blockwalls.

Uses

- Fast setting tile adhesive for renovation purpose
- Tiling for large sized tiles
- Interior and exterior wall tiling on render or cement mortar
- Interior and exterior wall tiling on concrete. The concrete should be sufficiently aged or cured
- Floor tiling
- Tiling on gypsum board, cement board, dry wall, gypsum support and anhydrite substrate should be primed before hand with weberprim moisture sealer
- Tiling on cementitious waterproofing material such as Weber WATERPROOFING series products
- Tiling on old tiles

Features and Benefits

- Formulated to comply with European Norm and Chinese Standard
- Fast setting : allow tiling and grouting in 4 - 6 hours
- High early strength : the tile can allow light traffic in 1 day
- Extra adhesion under exterior weather condition, especially for exterior condition
- Single component : fixed mixing proportion, ensure the quality of work
- Thixotropic and easy-to-trowel, good workability
- Extended open time of 30 minutes
- Non-slip

Complied Standards

- European Norm : EN 12004 Class C2FTE, EN 12002 Class S1 or S2 (if suitable amount of webertec EVA is added)
- Chinese Standard : JC/T 547 Class C2FTE

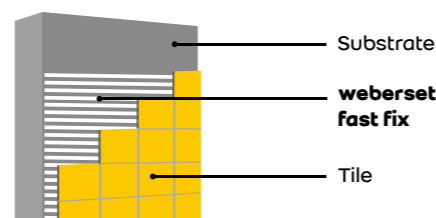


Packaging

25kg or 40kg / bag

Storage life

6 months
if the product is kept in dry condition and stored in the original unopened packaging.



RAPID SET



REDUCED SLIPPING



GOOD ADHESION

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Technical Data

Colour	Grey, white
Component	Portland cement, non-reactive aggregate, graded sand and other chemical additives
Max. aggregate size	1.0 mm
Water demand	Approx. 25 – 28% (6.3 – 7.0 L/25 KG bag) Approx. 25 – 28% (10 – 11.2 L/40 KG bag)
Density	1.3 KG/L (dry) 1.4 KG/L (wet) for 26% water demand
Pot life	Approx. 45 minutes
Coverage	Approx. 1.15 KG/m ² /mm

Physical Properties

Adhesion to concrete	EN 1348, JC/T 547	0.6 N/mm ² 0.8 N/mm ² 1.9 N/mm ² 2.0 N/mm ² 1.2 N/mm ² 1.8 N/mm ² 1.9 N/mm ²
	- Early adhesion strength (6 hours) - Early adhesion strength (24 hours) - Early adhesion strength (7 days) - Initial adhesion strength - Adhesion strength after heat ageing - Adhesion strength after water immersion - Adhesion strength after freeze-thaw cycles	
Open time	EN 1346	10 minutes with ≥ 0.5 N/mm ² adhesive strength
Slip resistance	EN 1308	0.3 mm
Deformability	EN 12002	S1 deformable S2 deformability can be achieved by addition of webertec EVA

Thickness and Theoretical Consumption

Tile size (mm x mm x mm)	Recommended notch size (mm x mm)	Back buttering thickness (mm)	Total thickness (mm)	weberset fast fix consumption (KG/m ²)
45 x 95 x 6	6	Nil	2.5	2.9
45 x 145 x 6	6	Nil	2.5	2.9
100 x 100 x 7	6	Nil	2.5	2.9
200 x 200 x 7	6	1	3.5	4.0
300 x 300 x 10	6	2	4.5	5.2
300 x 600 x 10	6 - 8	2	6	6.9
600 x 600 x 15	8 - 10	2	6	6.9
1,000 x 1,000 x 20	10 - 12	2	6	6.9

Consumption (KG/m²) = Total thickness of weberset fast fix (mm) x Coverage (KG/m²/mm).

Procedures

Substrate Preparations

- Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination on any traces of foreign materials affecting the adhesion of weberset fast fix.

Mixing and Installation

- weberset fast fix can be applied at least 7 days after the application of render.
- Before application, dampen the surface with clean water and allow excess water to drain away.
- Mix a bag of dry-mixed powder (40 KG) with approx. 25 – 28% (10 – 11.2 L) of water; (25 KG) with approx. 25 – 28% (6.3 – 7L) of water by using an electrical mixer.
- Stir the mixture thoroughly for 3 – 5 minutes to obtain a creamy paste without lumps.
- Apply weberset fast fix by using a notched trowel directly onto substrate, over which tiling can be achieved within 30 minutes under normal temperature and humidity condition. Do not spread weberset fast fix more than 1 m² before tiling. Unfavourable weather conditions such as strong sunshine, low humidity, high wind speed, or highly water-absorbed substrates can reduce the open time of tile adhesive.
- When the surface of tile adhesive is dry, do not use water to wet the surface. It will form a very weak and non-adhesive layer.
- It is recommended to use Weber TILE GROUT for grouting 4 – 6 hours after tiling.
- Please refer to our method statement for procedures in details.

Curing

- Natural air curing is enough for weberset fast fix.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.



weberset floor

Thick bed stone and marble floor fixing mortar complying with C2 Class of EN 12004 and ANSI A118.4.

weberset floor is a highly water resistant adhesive mortar designed for floor stone and marble fixing. It is a thick bed adhesive mortar with application thickness of 5 – 10 mm and high compressive strength. The white tile adhesive is suitable for tiling of light colour marble or granite tiles without affecting the colour of tiles. Notched trowel with higher ridges or buttering onto backface method is suitable to apply.

Uses

- Floor tiling with thickness 5 – 10 mm
- Interior and exterior floor tiling for large size stone and marble
- Tiling on cementitious waterproofing material such as Weber WATERPROOFING series products

Features and Benefits

- Formulated to comply with European Norm, American Standard and Chinese Standard
- Strong adhesion under exterior weather condition
- High compressive strength
- Single component : fixed mixing proportion, ensure the quality of work
- Thixotropic and easy-to-trowel, good workability
- High water retention

Complied Standards

- European Norm : EN 12004 Class C2
- American Standard : ANSI A118.4
- Chinese Standard : JC/T 547 Class C2, GB 18583

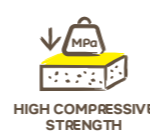
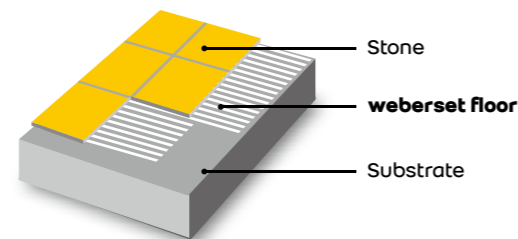


Packaging

40kg / bag

Storage life

12 months
if the product is kept in dry condition and stored in the original unopened packaging.



Technical Data

Colour	Grey, white
Component	Portland cement, non-reactive aggregate, graded sand and other chemical additives
Max. aggregate size	2.0 mm
Water demand	Grey: Approx. 19 – 21% (7.6 – 8.4 L/40 KG bag) White: Approx. 22 – 24% (8.8 – 9.6 L/40 KG bag)
Density	Grey: 1.5 KG/L (dry) Grey: 1.7 KG/L (wet) for 20% water demand White: 1.4 KG/L (dry) White: 1.7 KG/L (wet) for 23% water demand
Pot life	Approx. 3 hours
Coverage	Approx. 1.4 KG/m ² /mm
Theoretical consumption	Approx. 14 kg/m ² for thickness of 10 mm Approx. 2.9 m ² / 40 KG bag for thickness of 10 mm

Physical Properties

Adhesion to concrete	EN 1348 - Initial adhesion strength - Adhesion strength after heat ageing - Adhesion strength after water immersion - Adhesion strength after freeze-thaw cycles	1.3 N/mm ² 1.2 N/mm ² 1.3 N/mm ² 2.4 N/mm ²
Open time	EN 1346	> 1 N/mm ² adhesive strength (20 minutes)
Compressive strength	ANSI A118.4	≥ 22 N/mm ²
VOC content	USEPA method 24	< 10 g/L
Formaldehyde content	GB 18583	≤ 5 mg/KG

Procedures

Substrate Preparations

- Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination on any traces of foreign materials affecting the adhesion of weberset floor.

Mixing and Installation

- weberset floor can be applied at least 7 days after the application of screed.
- Before application, dampen the surface with clean water and allow excess water to drain away.
- Mix a bag of dry-mixed powder (40 KG) with appropriate amount of water by using an electrical mixer. For weberset floor Grey, add approx. 19 – 21% (7.6 – 8.4 L) of water; for weberset floor White, add 22 – 24% (8.8 – 9.6 L) of water.
- Stir the mixture thoroughly for 5 – 7 minutes to a creamy paste without lumps by using common portable electrical mixer. Let the mixture stand for 10 minutes for the additives to dissolve, and then mix again before use.
- Apply weberset floor directly with notched trowel onto substrate over an area that can be tiled within 20 minutes in normal temperature and humidity condition. Unfavourable weather such as strong sunshine, low humidity, high wind speed, or highly absorbing substrate will decrease the open time to a few minutes.
- When the surface of tile adhesive is dry, do not use water to wet the surface. It will form a very weak and non-adhesive layer.
- Please refer to our method statement for procedures in details.

Curing

- Natural air curing is enough for weberset floor.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

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weberset effloguard BR

Effective moisture barrier for render and plaster.

weberset effloguard BR is a greenish dispersion which is used as a moisture sealing layer for concrete, render and plaster. The product has small molecules of polymer latex which can diffuse in the plaster layer to seal the pore as a moisture barrier. With combination of waterproofing render system, **weberset effloguard BR** can serve an effective waterproofing system to reduce the chance of efflorescence. It is more appropriate to apply other Weber EFFLOGUARD Series products together for a better efflorescence resistance performance.

Uses

- As a moisture barrier for render and plaster
- Sealing porous substrates and provide good water resistance

Features and Benefits

- Penetrates into the substrate for long lasting performance
- Reduce in water absorption and diffusion on render surface
- Enhance bond strength to cementitious tile adhesive and skim coat
- Easy to use, no dilution is required
- Water-based material, non-toxic

Complied Standards

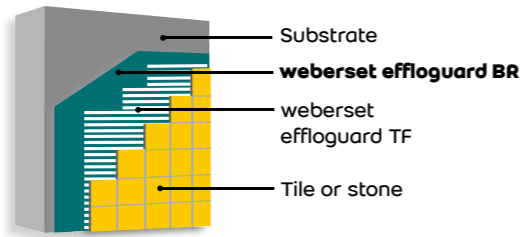
- American Standard: ANSI A118.6, USPEA method 24
- Chinese Standard: JC/T 1024



Packaging
20L / drum

Storage life

12 months
if the product is kept in dry condition and stored in the original unopened packaging.



Technical Data

Colour	Light green emulsion
Component	Fine particles of latex
Specific gravity	1.02 g/cm³
pH value	8 – 9
Minimum application temperature	10°C
Drying time	1 – 2 hours
Coverage	Approx. 0.15 – 0.3 L/m² for 2 coats
Theoretical consumption	Approx. 3 – 6 m²/L for 2 coats Approx. 60 – 120 m²/20L for 2 coats

Physical Properties

Resistance to Efflorescence	JC/T 1024	No efflorescence after 21 cycles
Adhesive strength	JCT/T 907	
	- Initial Adhesive Strength	> 1 N/mm²
	- Adhesion strength after water immersion	≥ 0.5 N/mm²
	- Adhesion strength after heat ageing	≥ 0.5 N/mm²
	- Adhesion strength after freeze-thaw cycle	≥ 0.5 N/mm²
Total VOC content	USPEA method 24	< 20 g/L

Procedures

Substrate Preparations

- Substrate should be well-cured and should not subject to shrinkage. It is recommended at least 7 days after application of Weber Render
- The surface of substrate must be free from surface contamination.

Installation

- weberset effloguard BR should not be diluted with water.
- Two coats of weberset effloguard BR should be applied to the prepared surface by using a soft brush, squeegee, roller or spray bottle. Avoid ponding, clean off excess weberset effloguard BR and allowed it to become touch dry (1 – 2 hours under normal conditions).
- When the first coat has dried (Approx. 1 – 2 hours), apply second coat of weberset effloguard BR using the same application method.
- weberset effloguard BR should not be applied below 10°C. Substrate should be surface dry with relative humidity below 70% at the working site to allow efficient drying of weberset effloguard BR. Insufficient drying time due to low temperature and/or high humidity may affect the performance of weberset effloguard BR.
- Tiling or skim coat can be applied 1 day later.
- Please refer to our method statement for procedures in details.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

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weberset mosaic

Tiling and grouting in one for Mosaic or small size ceramic tile for interior and exterior tile fixing complied with C2 class of EN12004 and CG2 class of EN 13888.

weberset mosaic is a cementitious, waterproof, and single component tile adhesive. It is designed simply to mix with water to give strong, non-slip and highly workable adhesive mortar for both interior and exterior applications. It is ideal for installation of mosaic tile and perfectly match with the traditional mosaic tile application method. Mosaic tile fixing and grouting can be done in one step. Suitable substrates include concrete, cement plasters, gypsum boards, brickworks and ALC blockwalls.

Uses

- Tiling for Mosaic
- Tiling for ceramic tile which size less than 45 mm x 95 mm
- Interior and exterior wall tiling on renders or cement mortar
- Interior and exterior wall tiling on concrete. The concrete should be sufficiently aged or cured
- Tiling on gypsum board, cement board, dry wall, gypsum support and anhydrite substrate should be primed before hand with weberprim moisture sealer
- Tiling on cementitious waterproofing material such as Weber WATERPROOFING series products

Features and Benefits

- Formulated to comply with European Norm
- Tiling and grouting can be done in one step
- Single component : fixed mixing proportion, ensure the quality of work
- Shrinkage compensated : reduce the chance of shrinkage cracks
- Non-slip

Complied Standards

- European Norm : EN 12004 Class C2, EN 13888 Class CG2

Technical Data

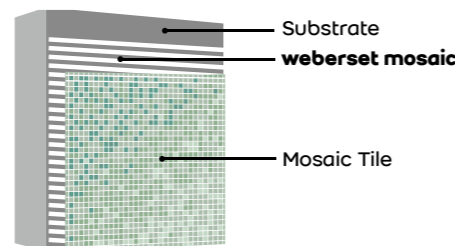
Colour	White, custom
Component	Portland cement, non-reactive aggregate, graded sand and other chemical additives
Max. aggregate size	0.5 mm
Water demand	Approx. 28 – 32% (7 – 8 L/25 KG bag)
Density	White: 1.1 KG/L (dry) White: 1.8 KG/L (wet) for 28% water demand
Pot life	Approx. 1 hour
Coverage	White: Approx. 1.5 KG/m ² /mm



Packaging
25kg / bag

Storage life
12 months

if the product is kept in dry condition and stored in the original unopened packaging.



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Physical Properties

Adhesion to concrete	EN 1348 - Initial adhesion strength - Adhesion strength after heat ageing - Adhesion strength after water immersion - Adhesion strength after freeze-thaw cycles	1.6 N/mm ² 1.4 N/mm ² 1.4 N/mm ² 2.7 N/mm ²	Compressive strength	EN 12808-3 - After dry storage - After freeze-thaw cycle	23.7 N/mm ² 23.6 N/mm ²
Abrasion resistance	EN 12808-2	684 mm ³	Linear shrinkage	ANSI A118.6 - After 24 hours - After 7 days EN 12808-4 - After 28 days	≤ 0.4 mm/m ≤ 1.2 mm/m 1.886 mm/m
Flexural strength	EN 12808-3 - After dry storage - After freeze-thaw cycle	7.2 N/mm ² 2.9 N/mm ²	Resistance to mould growth	BS 5980	No mould growth
Water absorption	EN 12808-5 - After 30 minutes - After 240 minutes	0.4 g 1.1 g	Water absorption	- 50% R.H. to immersion - Immersion to dry	2.5% 4.8%

Thickness and Theoretical Consumption

Bedding: 3 KG/m² for 2 mm thickness

Tile dimension (mm)			Total consumption (KG/m ²) together with 2 mm bedding		
Length	Width	Thickness	Joint width (mm)		
			2 (mm)	3 (mm)	5 (mm)
20	20	4	4.2	-	-
50	50	4	3.5	-	-
95	45	7	-	4.0	4.7

$$\text{Total consumption (KG/m}^2\text{)} = \frac{(\text{Tile length} + \text{Tile width}) \times \text{Tile thickness} \times \text{Joint width}}{\text{Tile length} \times \text{Tile width}} \times \text{Coverage (KG/m}^2\text{/mm)} + \text{2 mm bedding consumption (KG/m}^2\text{)}$$

Procedures

Substrate Preparations

- Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination on any traces of foreign materials affecting the adhesion of weberset mosaic.

Mixing and Installation

- weberset mosaic can be applied at least 7 days after the application of render.
- Before application, dampen the surface with clean water and allow excess water to drain away.
- Mix a bag of dry-mixed powder (25 KG) with appropriate amount of water by using an electrical mixer. Add approx. 28 – 32% (7 – 8 L) of water.
- Stir the mixture thoroughly for 5 – 7 minutes to obtain a creamy paste without lumps.
- Apply weberset mosaic with thickness of 2 – 3 mm by using a notched trowel directly onto substrate, over which tiling can be achieved within 20 minutes under normal temperature and humidity condition. Unfavourable weather conditions such as strong sunshine, low humidity, high wind speed, or highly water-absorbed substrates can reduce the open time of tile adhesive.
- Apply weberset mosaic on the back side of mosaic tile diagonally by using a rubber, or sponge trowel, or other suitable tools.
- Force and compact a maximum amount of weberset mosaic deep into the joints.
- Firmly press the grouted mosaic tiles directly on top of the bedding immediately, and knock the tile into position when the mortar is still tacky.
- Damp the paper on the mosaic tiles, and remove it after 15 minutes.
- Please refer to our method statement for procedures in details.

Curing

- Natural air curing is enough for weberset mosaic.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.



weberfix 656

Pure white, high strength, highly flexible, strong polymerized stone adhesive for interior and exterior light colour stone fixing complied with C2TE class of EN 12004.

weberfix 656 is a high strength, water resistant, pure white cementitious and single component stone adhesive. It is designed simply to mix with water to give strong, non-slip, extended open time, and highly workable adhesive mortar for both interior and exterior applications. Ideal for installation of white marble and light colour stones which will not affect the colour of stone. Suitable substrates are concrete, cement plasters, gypsum boards, brickworks and ALC blockwalls.

Uses

- White colour stone installation
- Interior and exterior wall and floor stone installation on renders or cement mortar
- Tiling on cementitious waterproofing material such as Weber WATERPROOFING SERIES or Weber STONE BACK SERIES

Features and Benefits

- White colour, which will not affect the colour of white or light colour stone
- Extra adhesion under exterior weather condition, specially for exterior condition
- Single component: fixed mixing proportion, ensure the quality of work
- Extended open time of 30 minutes
- Non-slip
- Thixotropic and easy to trowel, good workability
- Formulated to comply with European Norm and Chinese Standard

Complied Standards

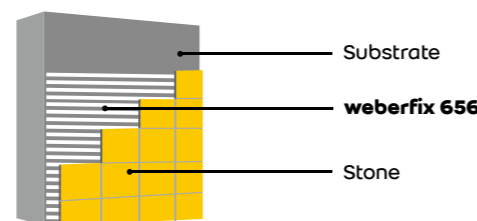
- European Norm : EN 12004 Class C2TE
- Chinese Standard : GB 24264
- American Standard : USEPA method 24



Packaging
40kg / bag

Storage life

12 months
if the product is kept in dry condition and stored in the original unopened packaging.



REDUCED SLIPPING



GOOD ADHESION



FOR TILING ON WATERPROOFING LAYER

Technical Data

Colour	White
Component	White Colour Portland cement, non-reactive aggregate and fillers, other chemical additives
Max. aggregate size	1.0 mm
Water demand	Approx. 31 - 34 % (12.4 - 13.6 L /40 kg bag)
Density	1.2 kg/L (dry) 1.4 kg/L (wet) using 33% water demand
Pot life	Approx. 3 hours
Coverage	Approx. 1.1 KG/m ² /mm

Physical Properties

Adhesion to concrete	EN 1348, GB 24264 - Initial adhesion strength - Adhesion strength after heat ageing - Adhesion strength after water immersion - Adhesion strength after freeze-thaw cycles	1.6 N/mm ² 1.4 N/mm ² 1.1 N/mm ² 1.8 N/mm ²
Open time	EN 1346	30 minutes with ≥ 0.5 N/mm ² adhesive strength
Slip resistance	EN 1308	≤ 0.5 mm
Total VOC content	USEPA method 24	< 10 g/L

Thickness and Theoretical Consumption

Tile size (mm x mm x mm)	Recommended notch size (mm x mm)	Back buttering thickness (mm)	Total thickness (mm)	weberfix 656 consumption (KG/m ²)
200 x 200 x 7	6	1	3.5	3.9
300 x 300 x 10	6	2	4.5	5.0
300 x 600 x 10	6 - 8	2	6	6.6
600 x 600 x 15	8 - 10	2	6	6.6
1,000 x 1,000 x 20	10 - 12	2	6	6.6

Consumption (KG/m²) = Total thickness of weberfix 656 (mm) x Coverage (KG/m²/mm).

Procedures

Substrate Preparations

- Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination on any traces of foreign materials affecting the adhesion of weberfix 656.

Mixing and Installation

- weberfix 656 can be applied at least 7 days after the application of render.
- Before application, dampen the surface with clean water and allow excess water to drain away.
- Mix a bag of dry mix powder (40 kg) with appropriate amount of water by using an electric mixer. For weberfix 656, add 31 - 34% (12.4 - 13.6 L) of water.
- Stir the mixture thoroughly for 5 - 7 minutes to obtain a creamy paste without lumps.
- Apply weberfix 656 by using a notched trowel directly onto substrate, over which tiling can be achieved within 30 minutes under normal temperature and humidity condition. Unfavorable weather conditions such as strong sunshine, low humidity, high wind speed, or highly water-absorbed substrates reduce the open time of tile adhesive.
- When the surface of tile adhesive is dried, do not use water to wet the surface. It will form a very weak and non-adhesive layer.
- It is recommended to use Weber TILE GROUT for grouting 1 day after tiling.
- Please refer to our method statement for procedures in details.

Curing

- Natural air curing is enough for weberfix 656.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

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weberfix 676

High strength, highly flexible, low alkalinity, fast drying, medium thickness stone adhesive specialized in fixing reconstituted stone and low water absorption tile complied with C2TE class of EN 12004 and S1 class of EN 12002.

weberfix 676 is designed to fix reconstituted stone with low alkalinity and can achieve 0.5 MPa adhesive strength in 24 hours. It is specially designed for medium thickness of 5 - 10 mm in a layer. The product is a low alkalinity cementitious material and low moisture content material which benefits reconstituted stone tile fixing. Ideal for installation of reconstituted stone for wall and floor. Suitable substrates are concrete, cement plasters, gypsum boards, brickworks and ALC blockwalls. **weberfix 676** is highly flexible, extra flexibility (S2 class of EN 12002) can be achieved by adding webertec EVA.

Uses

- Specialized for reconstituted stone fixing and low water absorption tile, such as homogeneous tile
- Tiling for large sized stone up to 1m x 1m
- Interior and exterior wall and floor stone fixing on cement mortar or concrete
- Compatible to cementitious waterproofing material such as Weber WATERPROOFING series or Weber STONE BACK series

Features and Benefits

- Extra adhesion that increase bond strength for reconstituted stone / low water absorption tile
- Lower alkalinity to reduce chances of efflorescence
- Setting with low residual moisture within 24 hours
- Flexible with long durability
- Extra final adhesion under exterior weather condition, specially for exterior condition
- Single component: fixed mixing proportion, ensure the quality of work
- Non-slip
- Thixotropic and easy to trowel, good workability
- Formulated to comply with European Norm and Chinese Standard

Complied Standards

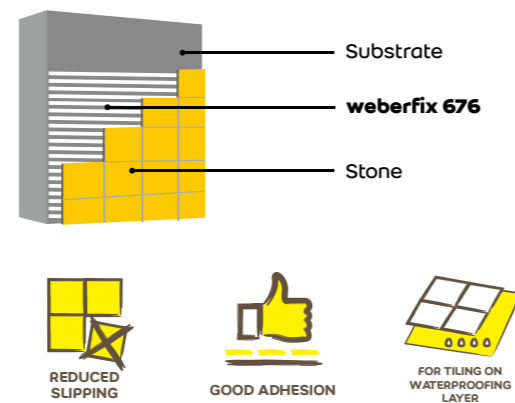
- European Norm : EN 12004 Class C2TE, EN 12002 Class S1 or S2 (if webertec EVA is added)
- Chinese Standard : GB 24264
- British Standard : BS 4551 : Part 2
- American Standard : USEPA method 24



Packaging
25kg / bag

Storage life
6 months

if the product is kept in dry condition and stored in the original unopened packaging.



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Technical Data

Colour	Beige white
Component	Low alkalinity cement, polymer additive, chemical additives, non-reactive aggregate, graded sand
Max. aggregate size	1.0 mm
Water demand	Approx. 26 - 29% (6.5 - 7.3 L/25 kg bag)
Density	1.4 kg/L (dry) 1.6 kg/L (wet) using 28% water demand
Pot life	Approx. 45 minutes
Coverage	Approx. 1.2 KG/m ² /mm

Physical Properties

Adhesion to concrete	EN 1348, GB 24264 - Early adhesion strength (24 hours) - Initial adhesion strength - Adhesion strength after heat ageing - Adhesion strength after water immersion - Adhesion strength after freeze-thaw cycles	1.5 N/mm ² 2.0 N/mm ² 2.3 N/mm ² 1.5 N/mm ² 1.5 N/mm ²
Open time	EN 1346	30 minutes with ≥ 0.5 N/mm ² adhesive strength
Slip resistance	EN 1308	≤ 0.5 mm
Deformability	EN 12002	S1 deformable
pH value	BS 4551 : Part 2	10 - 11
Total VOC content	USEPA method 24	< 10 g/L

Thickness and Theoretical Consumption

Tile size (mm x mm x mm)	Recommended notch size (mm x mm)	Back buttering thickness (mm)	Total thickness (mm)	weberfix 676 consumption (KG/m ²)
200 x 200 x 7	6	1	3.5	4.2
300 x 300 x 10	6	2	4.5	5.4
300 x 600 x 10	6 - 8	2	6	7.2
600 x 600 x 15	8 - 10	2	6	7.2
1,000 x 1,000 x 20	10 - 12	2	6	7.2

Consumption (KG/m²) = Total thickness of weberfix 676 (mm) x Coverage (KG/m²/mm).

Procedures

Substrate Preparations

- Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination on any traces of foreign materials affecting the adhesion of weberfix 676.

Mixing and Installation

- weberfix 676 can be applied at least 7 days after the application of render.
- Before application, dampen the surface with clean water and allow excess water to drain away.
- Mix a bag of dry mix powder (25 kg) with appropriate amount of water by using an electric mixer. For weberfix 676, add 26 - 29% (6.5 - 7.3 L) of water. Actual water demand should be adjusted in accordance with the site condition.
- Stir the mixture thoroughly for 3 - 5 minutes to obtain a creamy paste without lumps.
- Apply weberfix 676 by using a notched trowel directly onto substrate, over which tiling can be achieved within 30 minutes under normal temperature and humidity condition. Do not spread weberfix 676 more than 1 m² before tiling. Unfavourable weather conditions such as strong sunshine, low humidity, high wind speed, or highly water-absorbed substrates reduce the open time of tile adhesive.
- When the surface of tile adhesive is dried, do not use water to wet the surface. It will form a very weak and non-adhesive layer.
- It is recommended to use Weber TILE GROUT for grouting 6 hours after tiling.
- Please refer to our method statement for procedures in details.

Curing

- Natural air curing is enough for weberfix 676.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.



weberfix 686

Fast setting, highly flexible, high strength, low alkalinity, medium thickness, high compressive, strong polymerized stone adhesive for interior and exterior wet fixing complied with C2FTE class of EN 12004 and S1 class of EN 12002 (S2 class can be achieved by adding webertec EVA).

weberfix 686 is a fast hardening, low alkalinity, polymerized, cementitious, water resistant, and single component white colour stone adhesive. It is designed simply to mix with water to give strong, non-slip, and highly workable adhesive mortar for stone fixing with setting time of 3 - 4 hours and can achieve 0.6 MPa adhesive strength in 6 hours. It is specially designed for medium thickness wet fixing with fast setting time. Ideal for installation of stones such as marble, granite, slate and reconstituted stone for wall and floor. Suitable substrates are concrete, cement plasters, gypsum boards, brickworks and ALC blockwalls. The product is highly flexible, extra flexibility (S2 class of EN 12002) can be achieved by adding webertec EVA.

Uses

- Fast setting cementitious stone fixing
- Tiling for stone in different sizes
- Interior and exterior wall and floor stone fixing on cement mortar or concrete
- Compatible with cementitious waterproofing material such as the Weber WATERPROOFING series product
- Tiling on old tiles

Features and Benefits

- Formulated to comply with European Norm, and Chinese Standard
- Lower alkalinity to reduce chances of efflorescence
- Fast setting : allow grouting in 4 - 6 hours
- High early strength : the stone can allow light traffic in 1 day
- White colour adhesive for white and light colour stones
- Highly flexible with long durability
- Extra adhesion under exterior weather condition, especially for exterior condition
- Single component : fixed mixing proportion, ensure the quality of work
- Thixotropic and easy-to-trowel, good workability
- Non-slip

Complied Standards

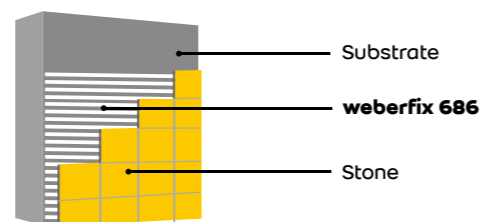
- European Norm : EN 12004 Class C2FTE, EN 1348, EN 12002 Class S1 or S2 (If webertec EVA is added), EN 12859, EN 196
- Chinese Standard : GB 24264
- American Standard : USEPA method 24



Packaging
25kg / bag

Storage life
6 months

if the product is kept in dry condition and stored in the original unopened packaging.



RAPID SET



REDUCED SLIPPING



GOOD ADHESION

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Technical Data

Colour	White
Component	Fast hardening cement, polymer additive, efflorescence reducing agent, chemical additives, non-reactive aggregate, graded sand
Max. aggregate size	2.0 mm
Water demand	Approx. 21 – 25% (5.2 – 6.3 L/25 KG bag)
Density	1.3 KG/L (dry) 1.4 KG/L (wet) for 23% water demand
Pot life	Approx. 1 hour
Coverage	Approx. 1.2 KG/m ² /mm

Physical Properties

Adhesion to concrete	EN 1348, GB 24264 - Early adhesion strength (6 hours) - Early adhesion strength (24 hours) - Early adhesion strength (7 days) - Initial adhesion strength - Adhesion strength after heat ageing - Adhesion strength after water immersion - Adhesion strength after freeze-thaw cycles	0.8 N/mm ² 1.3 N/mm ² 2.6 N/mm ² 2.1 N/mm ² 1.4 N/mm ² 1.2 N/mm ² 2.7 N/mm ²
Open time	EN 1346	30 minutes with > 0.5 N/mm ² adhesive strength
Slip resistance	EN 1308	≤ 0.5 mm
Deformability	EN 12002	S1 deformable S2 deformability can be achieved by adding of webertec EVA
Compressive strength	EN 196-1	20 N/mm ²
Total VOC content	USEPA method 24	< 10 g/L
pH value	EN 12859	10 - 11

Thickness and Theoretical Consumption

Tile size (mm x mm x mm)	Recommended notch size (mm x mm)	Back buttering thickness (mm)	Total thickness (mm)	weberfix 686 consumption (KG/m ²)
200 x 200 x 7	6	1	3.5	4.2
300 x 300 x 10	6	2	4.5	5.4
300 x 600 x 10	6 - 8	2	6	7.2
600 x 600 x 15	8 - 10	2	6	7.2
1,000 x 1,000 x 20	10 - 12	2	6	7.2

Consumption (KG/m²) = Total thickness of weberfix 686 (mm) x Coverage (KG/m²/mm).

Procedures

Substrate Preparations

- Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination on any traces of foreign materials affecting the adhesion of weberfix 686.

Mixing and Installation

- weberfix 686 can be applied at least 7 days after the application of render.
- Before application, dampen the surface with clean water and allow excess water to drain away.
- Mix a bag of dry-mixed powder (25 KG) with approx. 21 – 25% (5.2 – 6.3 L) of water by using an electrical mixer. Actual water demand should be adjusted in accordance with the site condition.
- Stir the mixture thoroughly for 3 – 5 minutes to obtain a creamy paste without lumps.
- Apply weberfix 686 by using a notched trowel directly onto substrate, over which tiling can be achieved within 30 minutes under normal temperature and humidity condition. Do not spread weberfix 686 more than 1 m² before tiling. Unfavourable weather conditions such as strong sunshine, low humidity, high wind speed, or highly water-absorbed substrates can reduce the open time of tile adhesive.
- When the surface of tile adhesive is dry, do not use water to wet the surface. It will form a very weak and non-adhesive layer.
- It is recommended to use Weber TILE GROUT for grouting 4 hours after tiling.
- Please refer to our method statement for procedures in details.

Curing

- Natural air curing is enough for weberfix 686.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.



weberfix stone back 456

White polymerized cementitious bedding coat for reconstituted stone and low water absorption tile

weberfix stone back 456 is a two component polymer modified cementitious adhesive for bedding coat for reconstituted stone. It can be simply achieved by mixing a pre-packed dry-mixed powder with a formulated latex admixture. It has high bond strength with various cement based materials and low shrinkage to prevent reconstituted stone & low water absorption tile from debonding. **weberfix stone back 456** provides excellent waterproofing barrier to prevent water and stain from adhesive layer to affect the stone.

Uses

- Extra adhesion that increase bond strength for reconstituted stone to stone adhesive
- Waterproofing on stone back to prevent water and stains diffuse into the stone
- Suitable for low water absorption tiles, such as homogeneous tile

Features and Benefits

- Water and alkaline resistance to prevent cementitious materials diffuse into the stone structure
- Enhance bond strength at the interface of stone / low water absorption tile
- Highly flexible with good durability
- White colour mortar which will not affect the stone surface appearance
- Pre-packed component: fixed mixing proportion, ensure the quality of work
- Good workability: simple brush or towel
- Non-toxic: environmentally friendly

Complied Standards

- Chinese Standard : GB 24264, GB 23445
- European Norm : EN 12004, EN 12859
- American Standard : ASTM D3960, ANSI A118.4

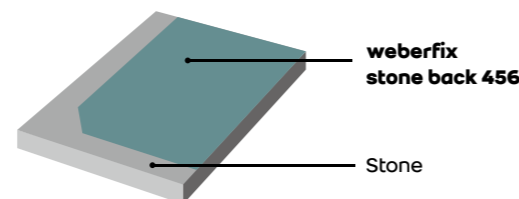


Packaging

**30kg powder / bag
and
10L emulsion /
drum**

Storage life

12 months
if the product is kept
in dry condition and
stored in the original
unopened packaging.



Technical Data

	Part A	Part B
	30 KG (dry-mixed powder)	10 L (latex admixture)
Colour	White	Milky white
Component	White Portland cement, non-reactive aggregate, polymer binder and waterproofing additive	
Max. aggregate size	0.5 mm	
Mixing ratio	10 L latex admixture/ 30 KG bag	
Density	1.1 KG/L (dry) 1.6 KG/L (wet)	
Pot life	Approx. 2 hours	
Thickness	Approx. 1-2 mm	
Theoretical consumption	Approx. 33 - 40 m ² / package	

Physical Properties

Drying time		< 3 hrs
Initial adhesion strength	EN 1348, GB 24264	1.6 N/mm ²
Adhesion strength after water immersion		1.4 N/mm ²
Adhesion strength after heat ageing		1.3 N/mm ²
Adhesion strength after freeze-thaw cycle		1.6 N/mm ²
Adhesion strength to water based impregnator (weberfix stone sealer S3)		> 1.5 N/mm ²
Shear Strength	ANSI A118.4	> 2.8 N/mm ²
Water impermeability pressure	GB 23445	> 0.8 MPa
VOC content	ASTM D3960	< 2g/KG
pH value	EN 12859	10 - 11

Procedures

Substrate Preparations

- The stone back must be clean, free from dust and other surface contaminations which affect the adhesion of weberfix stone back 456. All dust and contaminants should be vacuumed clean prior to installation.

Mixing and Installation

- Empty the latex admixture (10 L) into a bucket, pail or other suitable vessels.
 - Add the dry-mixed powder (30 KG) gradually to the admixture and stir gently using an electrical mixer with mixing time of 3 to 7 minutes to avoid lump formation until a smooth consistent mixture is achieved.
 - The blended mixture must be used within 2 hours, and must avoid direct sunlight.
 - Apply weberfix stone back 456 evenly onto the stone back surface for 1 - 2 mm thickness.
 - The stone surface temperature should be between 5°C to 60°C for the application of weberfix stone back 456.
 - The product drying time under room temperature is 40 minutes.
 - Stone wet fixing product such as Weber Stone Fix Series products should be applied onto the weberfix stone back 456 two days after.
 - Please refer to our method statement for procedures in details.
- #### Curing
- Natural air curing is enough for weberfix stone back 456.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

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weberfix stone back 476

White polymerized cementitious adhesive for fixing mesh on stone

weberfix stone back 476 is a two component polymer modified cementitious adhesive for fixing fabric reinforcement mesh on stone back surface. It can be simply achieved by mixing a prepacked dry-mixed powder with a formulated latex admixture. The product has high bond strength with various cement based materials and low shrinkage to prevent stone from debonding. **weberfix stone back 476** is ideal for installation of fabric reinforcement mesh on stone back with enhanced adhesion strength to the reinforcement mesh and highly compatible to cement based materials which do not require removing mesh during wet fixing application. It provides excellent resistance to water which can prevent stains and efflorescence for stone after wet fixing application.

Uses

- Extra adhesion for fixing reinforcement mesh on stone tile which do not require removing mesh during wet fixing application
- To be applied on stone tiles that increase bond strength with stone adhesive
- Waterproofing on stone back to prevent stains diffuse into the stone

Features and Benefits

- White colour mortar which will not affect the stone surface appearance
- Enhance bond strength to fabric reinforcement meshes and stone adhesive
- Water and alkaline resistance to prevent cementitious materials diffuse into the stone structure
- Pre-packed component: fixed mixing proportion, ensure the quality of work
- Good workability: simple brush or towel
- Non-toxic: environmentally friendly

Complied Standards

- Chinese Standard : GB 24264, GB 23445
- European Norm : EN 12004, EN 12859
- American Standard : ASTM D3960, ANSI A118.4

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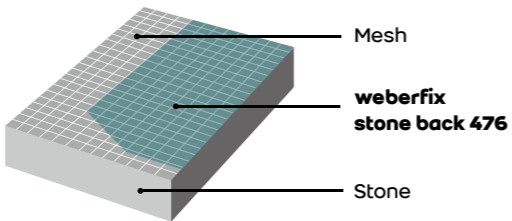


Packaging

**30kg powder / bag
and
10L emulsion / drum**

Storage life

12 months
if the product is kept in dry condition and stored in the original unopened packaging.



TWO COMPONENT



EXTRA WATER RESISTANT



WET AREA

Technical Data

	Part A	Part B
	30 KG (dry-mixed powder)	10 L (latex admixture)
Colour	White	Milky white
Component	White Portland cement, non-reactive aggregate, polymer binder and waterproofing additive	
Max. aggregate size	0.5 mm	
Mixing ratio	10 L latex admixture/ 30 KG bag	
Density	1.1 KG/L (dry) 1.6 KG/L (wet)	
Pot life	Approx. 2 hours	
Thickness	Approx. 1 mm	
Theoretical consumption	Approx. 36 - 42 m ² / package	

Physical Properties

Drying time (40°C)		< 1 hr
Initial adhesion strength	EN 13487, GB 24264	2.3 N/mm ²
Adhesion strength after water immersion		1.4 N/mm ²
Adhesion strength after heat ageing		3 N/mm ²
Adhesion strength after freeze-thaw cycle		1.6 N/mm ²
Adhesion strength to water based impregnator (weberfix stone sealer S3)	EN 1348	> 1 N/mm ²
Shear adhesive strength	ANSI A118.4	2.68 N/mm ²
Water impermeability pressure	GB 23445	> 1.5 Mpa
Head of water on the positive side		> 1.5 Mpa
Head of water on the negative side		> 1.5 Mpa
VOC content	ASTM D3960	< 2g/KG
pH value	EN 12859	10 - 11

Procedures

Substrate Preparations

- The stone back must be clean, free from dust and other surface contaminations which affecting the adhesion of weberfix stone back 476. All dust and contaminants should be vacuumed clean prior to installation.

Mixing and Installation

- Empty the latex admixture (10 L) into a bucket, pail or other suitable vessels.
 - Add the dry-mixed powder (30 KG) gradually to the admixture and stir gently using an electrical mixer with mixing time of 3 to 7 minutes to avoid lump formation until a smooth consistent mixture is achieved.
 - The blended mixture must be used within 1 hour, and must avoid direct sunlight.
 - Apply weberfix stone back 476 evenly onto the stone back surface and fix the fabric mesh into the mortar.
 - The stone surface temperature should be between 5°C to 60°C for the application of weberfix stone back 476.
 - Application thickness is within 1 mm.
 - The drying time under working condition of 40°C will be within 20 minutes and under room temperature in 40 minutes.
 - Stone wet fixing product such as Weber Stone Fix Series products should be applied onto the weberfix stone back 476 two days after.
 - Please refer to our method statement for procedures in details.
- #### Curing
- Natural air curing is enough for weberfix stone back 476.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.



weberfix stone back 486

White polymerized cementitious adhesive for fixing mesh on sandstone or highly water absorbing stone

weberfix stone back 486 is a two component polymer modified cementitious material for fixing fabric reinforcement mesh on sandstone back surface. It's extra polymer content is suitable for highly water absorbing substrate. It has high bond strength, high water proofing and low shrinkage to prevent sandstone from debonding. **weberfix stone back 486** is ideal for installation of fabric reinforcement mesh on sandstone or highly water absorbing stone with enhanced adhesion strength to the reinforcement mesh and highly compatible to cement based materials which do not require removing mesh during wet fixing application. It provides excellent resistance to water which can prevent stains and efflorescence after wet fixing application.

Uses

- To be applied on sandstone that increase bond strength with stone adhesive
- Waterproofing on sandstone or highly water absorbing stone back to prevent stains diffuse into the stone
- Extra adhesion for fixing reinforcement mesh on stone tile which do not require removing mesh during wet fixing application

Features and Benefits

- Higher polymer content and higher water proofing
- White colour mortar which will not affect the marble surface appearance
- Enhance bond strength to fabric reinforcement meshes and stone adhesive
- Water and alkaline resistance to prevent cementitious materials diffuse into the stone structure
- Pre-packed component: fixed mixing proportion, ensure the quality of work
- Good workability: simple brush or towel
- Non-toxic: environmentally friendly

Complied Standards

- Chinese Standard : GB 24264, GB 23445
- European Norm : EN 12004
- American Standard : ASTM D3960, ANSI A118.4

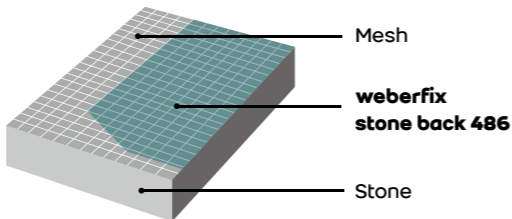


Packaging

**30kg powder / bag
and
15L emulsion /
drum**

Storage life

12 months
if the product is kept
in dry condition and
stored in the original
unopened packaging.



Technical Data

	Part A	Part B
	30 KG (dry-mixed powder)	15 L (latex admixture)
Colour	White	Milky white
Component	White Portland cement, non-reactive aggregate, polymer binder and waterproofing additive	
Max. aggregate size	0.2 mm	
Mixing ratio	15 L latex admixture/ 30 KG bag	
Density	1.1 KG/L (dry) 1.4 KG/L (wet)	
Pot life	Approx. 2 hour	
Thickness	Approx. 0.6 – 0.8 mm	
Theoretical consumption	Approx. 55 - 75 m ² / package	

Physical Properties

Drying time (40°C)		< 1 hr
Initial adhesion strength	EN 1348, GB 24264	1.6 N/mm ²
Adhesion strength after water immersion		1.5 N/mm ²
Adhesion strength after heat ageing		1.3 N/mm ²
Adhesion strength after freeze-thaw cycle		1.7 N/mm ²
Shear adhesive strength	ANSI A118.4	2.1 N/mm ²
Water impermeability pressure	GB 23445	0.9 MPa
VOC content	ASTM D3960	2g/KG

Procedures

Substrate Preparations

- The stone back must be clean, free from dust and other surface contaminations which affecting the adhesion of weberfix stone back 486. All dust and contaminants should be vacuumed clean prior to installation.

Mixing and Installation

- Empty the latex admixture (15 L) into a bucket, pail or other suitable vessels.
- Add the dry-mixed powder (30 KG) gradually to the admixture and stir gently using an electrical mixer with mixing time of 3 to 7 minutes to avoid lump formation until a smooth consistent mixture is achieved.
- The blended mixture must be used within 2 hours, and must avoid direct sunlight.
- Apply weberfix stone back 486 evenly onto the stone back surface and fix the fabric mesh into the mortar.
- The stone surface temperature should between 5°C to 60°C for the application of weberfix stone back 486.
- Application thickness is within 0.6 - 0.8 mm.
- The drying time under working condition of 40°C will be within 20 minutes and under room temperature at 40 minutes.
- Stone wet fixing product such as Weber Stone Fix Series products should be applied onto the weberfix stone back 486 three days after.
- Please refer to our method statement for procedures in details.

Curing

- Natural air curing is enough for weberfix stone back 486.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

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weberfix stone back 496

Beige white polymerized cementitious adhesive for fixing mesh on marble

weberfix stone back 496 is a two component polymer modified cementitious adhesive for fixing fabric reinforcement mesh on marble back surface. It can be simply achieved by mixing a prepacked dry-mixed powder with a formulated latex admixture. It can be set in low temperature and highly humid environment. It has high bond strength with various cement based materials and low shrinkage to prevent marble from debonding. **weberfix stone back 496** is ideal for installation of fabric reinforcement mesh on marble back with enhanced adhesion strength to the reinforcement mesh and highly compatible to cement based materials which do not require moving mesh during wet fixing application. It provides excellent resistance to water which can prevent stains and efflorescence for marble after wet fixing application.

Uses

- Can be used at 5 - 10 °C
- Extra adhesion for fixing reinforcement mesh on marble tile which do not require removing mesh during wet fixing application
- To be applied on marble tiles that increase bond strength with stone adhesive
- Waterproofing on marble back to prevent stains diffuse into the stone

Features and Benefits

- Can be set at low temperature with high humidity
- Enhance bond strength to fabric reinforcement meshes and stone adhesive
- Water and alkaline resistance to prevent cementitious materials diffuse into the stone structure
- Pre-packed component: fixed mixing proportion, ensure the quality of work
- Good workability: simple brush or towel
- Non-toxic: environmentally friendly

Complied Standards

- Chinese Standard : GB 24264, GB 23445
- European Norm : EN 12004
- American Standard : ASTM D3960, ANSI A118.4

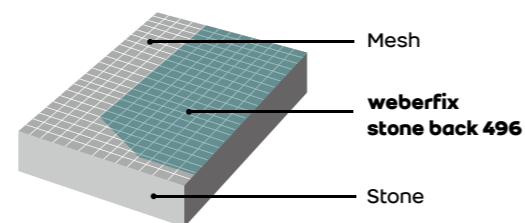


Packaging

**30kg powder / bag
and
10L emulsion /
drum**

Storage life

6 months
if the product is kept
in dry condition and
stored in the original
unopened packaging.



Technical Data

	Part A	Part B
	30 KG (dry-mixed powder)	10 L (latex admixture)
Colour	White	Milky white
Component	White Portland cement, non-reactive aggregate, polymer binder and waterproofing additive	
Max. aggregate size	0.5 mm	
Mixing ratio	10 L latex admixture/ 30 KG bag	
Density	1.1 KG/L (dry) 1.6 KG/L (wet)	
Pot life	Approx. 1 hour	
Thickness	Approx. 1 mm	
Theoretical consumption	Approx. 40 - 50 m ² / package	

Physical Properties

Drying time (5°C)		< 1 hr
Early adhesion strength	EN 13487, GB 24264	0.8 N/mm ²
Initial adhesion strength		2.1 N/mm ²
Adhesion strength after water immersion		2.0 N/mm ²
Adhesion strength after heat ageing		1.3 N/mm ²
Adhesion strength after freeze-thaw cycle		1.7 N/mm ²
Shear adhesive strength	ANSI A118.4	2.1 N/mm ²
Water impermeability pressure	GB 23445	1.1 MPa
VOC content	ASTM D3960	2g/KG

Procedures

Substrate Preparations

- The stone back must be clean, free from dust and other surface contaminations which affecting the adhesion of weberfix stone back 496. All dust and contaminants should be vacuumed clean prior to installation.

Mixing and Installation

- Empty the latex admixture (10 L) into a bucket, pail or other suitable vessels.
- Add the dry-mixed powder (30 KG) gradually to the admixture and stir gently using an electrical mixer with mixing time of 3 to 7 minutes to avoid lump formation until a smooth consistent mixture is achieved.
- The blended mixture must be used within 1 hour, and must avoid direct sunlight.
- Apply weberfix stone back 496 evenly onto the stone back surface and fix the fabric mesh into the mortar.
- The stone surface temperature should between 5°C to 25°C for the application of weberfix stone back 496.
- Application thickness is within 0.8 - 1 mm.
- The drying time under working condition of 5°C will be within 30 minutes and under room temperature at 10 - 15 minutes.
- Stone wet fixing product such as Weber Stone Fix Series products should be applied onto the weberfix stone back 496 one day after.
- Please refer to our method statement for procedures in details.

Curing

- Natural air curing is enough for weberfix stone back 496.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

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weberfix stone sealer S1

Sealer for stone / tile to increase bond strength.

weberfix stone sealer S1 is a milky white dispersion which increasing bond strength for stone / tile with or without reinforcement meshes. It can be applied on the tile back by brush directly without dilution. **weberfix stone sealer S1** can effectively increase the bond strength for stone / tile. It is well compatible to weberset series. Specially designed for medium thickness wet fixing with fast setting time. The product is ideal for installation of stones such as marble, granite, slate and artificial stone for wall and floor. Suitable substrates include concrete, cement plasters, gypsum boards, brickworks and ALC blockwalls.

Uses

- To be applied on reinforcement meshes on stone / tile to increase the bond strength
- To be applied on large tiles that increase bond strength
- Waterproofing on stone / tile to prevent stains diffuse into the stone

Features and Benefits

- Formulated to comply with European Norm
- Milky polymer emulsion for that will not affect the surface appearance
- Increase bond strength to fabric reinforcement meshes and resin
- Diffuse into the stone / tile to enhance bonding to cementitious tile adhesive and mortar
- As moisture sealing and stain prevention coating for natural stone and reconstituted stone / tile

Complied Standards

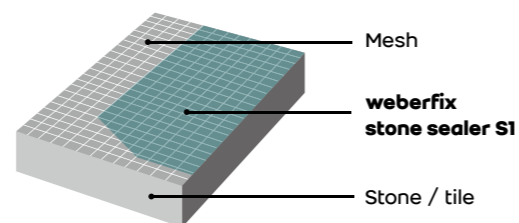
- European Norm : EN 1348



Packaging
20L / drum

Storage life

12 months
if the product is kept in dry condition and stored in the original unopened packaging.



Technical Data

Colour	Milky white
Component	Polymer latex with high bonding to resin and high diffusion to stone tiles
Specific gravity	1.04 g/cm ³
pH value	8
Minimum application temperature	5 °C

Physical Properties

	Adhesion without treatment	Adhesion with a coat of weberfix stone sealer S1
On stone / tile	0.9 N/mm ² Failure at adhesive / tile interface	1.2 N/mm ² Failure at adhesive
On fabric reinforcement with resin coat	0.6 N/mm ² Failure at adhesive / mesh interface	1.1 N/mm ² Failure at adhesive

Procedures

- The tile back should be clean, dry and free of dust prior to the application of one coat weberfix stone sealer S1.
- Apply the sealing coat with a brush or roller onto the back side of the stone. The drying time for the weberfix stone sealer S1 is about 1 - 3 hours. Weber TILE ADHESIVE and TILE GROUT series products or other polymer modified cementitious mortar is recommended for tiling.
- Clean tools in water immediately and thoroughly after use to remove possible stains.
- Stir before use.
- Please refer to our method statement for procedures in details.

Consumption

For absorbent surfaces	Approx. 13 - 16 m ² /L
For non-absorbent surfaces	Approx. 15 - 18 m ² /L

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

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weberfix stone sealer S3

High performance stone surface protector against water and dirt.

weberfix stone sealer S3 is a clear water-based silane/siloxane solution which is used as a stone surface protector to prevent dirt and stains build up. It is compatible to cementitious material with good bonding. **weberfix stone sealer S3** has a special formula which ensures deep impregnation into the pore structure and forms a long-lasting hydrophobic barrier which bonded within the stone structure. It provides durable surface protection for stones such as marble, granite, slate, sandstone and artificial stone for wall and floor under exterior conditions.

Uses

- Interior and exterior wall and floor stones protection
- Waterproofing on stone / tile to prevent stains diffuse into the stone
- Prevent dirt and stains build up
- Compatible to cementitious materials such as Weber TILE ADHESIVE & TILE GROUT, STONE FIX and STONE BACK Series products

Features and Benefits

- Impregnation and forming a long-lasting hydrophobic barrier within the stone structure
- Excellent protective coat for different kinds of stones
- Clear solution which will not affect the treated surface appearance
- Minimizing substrate water absorption
- Simple cleaning after tile fixing / grouting application
- Easy to use and low VOCs

Complied Standards

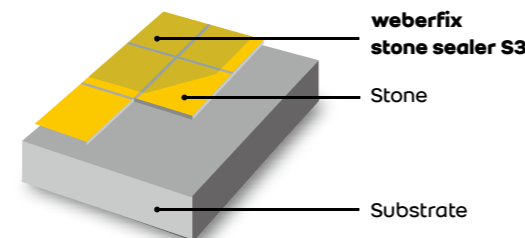
- American Standard : ANSI A118.6, ASTM D3960-04
- Chinese Standard : JC/T 973



Packaging
20L / drum

Storage life
12 months

if the product is kept in dry condition and stored in the original unopened packaging.



Technical Data

Colour	Transparence
Component	Solution of silane/siloxane
Specific gravity	1.04 g/cm ³
pH value	Approx. 12-13
Minimum application temperature	5 °C
Theoretical consumption	Approx. 3.7 – 7.6 m ² /L for 2 coats Approx. 74 – 152 m ² /20L for 2 coats

Physical Properties

Water resistance	JC/T 973	> 81%
Dirt resistance	JC/T 973	Resistance to ink and oil dirt
Acid resistance	JC/T 973	Resistance to acid
Alkaline resistance	JC/T 973	Resistance to alkaline
Water impermeability	JC/T 973	Watertight
VOC content	ASTM D3960	< 20 g/KG

Procedures

- Stone should clean, free from dust and contamination.
- Apply two coats with a brush, roller or spray onto the stone surface.
- weberfix stone sealer S3 should not be applied below 10°C. Substrate should be surface dry with relative humidity below 70% at the working site to allow efficient drying of weberfix stone sealer S3. Insufficient drying time or structural formation due to low temperature and / or high humidity may affect the protection performance of weberfix stone sealer S3.
- White crystals may form when over application. These white crystals can be washed out by water after drying.
- Clean tools in water immediately and thoroughly after use to remove possible stains.
- Please refer to our method statement for procedures in details.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

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webergROUT fine

Cement-based tile grout for wall and floor grouting with joint width of 1 – 6 mm complied with CG2WA class of EN 13888.

webergROUT fine is a cementitious single component tile grout. It is designed for grouting porous and vitreous tiles on interior or exterior walls and floors with joint width of 1 – 6 mm. The grout is shrinkage compensated which can prevent cracking. **webergROUT fine** has low water absorption and high adhesion to tiles and tile adhesive. There is a wide range of colours available to match different tiles.

Uses

- Grouting for ceramic, vitrified tiles and marble that with joint width of 1 – 6 mm
- Grouting for industrial flooring where resistance to chemical is not required

Features and Benefits

- Formulated to comply with European Norm, American Standard, British Standard and Chinese Standard
- Shrinkage compensated : reduce the chance of shrinkage cracks
- Good abrasion resistance
- Good compressive and flexural strength
- Resistance to acidic cleanser with pH > 3

Complied Standards

- European Norm : EN 13888 Class CG2WA
- American Standard : ANSI A118.6, USEPA method 24
- British Standard : BS 5980 Part 7. 9
- Chinese Standard : JC/T 1004 Class CG2WA

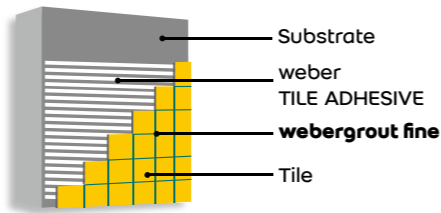
Technical Data

Colour	Custom
Component	Portland cement, non-reactive aggregate, graded sand and other chemical additives
Max. aggregate size	0.3 mm
Water demand	Approx. 25 – 28% (6.3 – 7 L/25 KG bag)
Density	1.1 g/cm ³
Pot life	Approx. 1 hour
Coverage	Approx. 1.5 kg/m ² /mm



Packaging
25kg / bag

Storage life
12 months
if the product is kept in dry condition and stored in the original unopened packaging.



Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

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Physical Properties

Abrasion resistance	EN 12808 – 2	1278 mm ³	Compressive strength	EN 12808-3 - After dry storage - After freeze-thaw cycle	176 N/mm ² 173 N/mm ²
Flexural strength	EN 12808 – 3 - After dry storage - After freeze-thaw cycle	6.6 N/mm ² 6.5 N/mm ²	Linear shrinkage	ANSI A118.6 - After 24 hours - After 7 days EN 12808 – 4 - After 28 days	0.3 mm/m 1.4 mm/m 1.9 mm/m
Water absorption	EN 12808 – 5 - After 30 minutes - After 240 minutes	0.2 g 0.4 g	Tensile strength	BS 5980	> 950 N
Total VOC content	ANSI A118.6 - 50% R.H. to immersion - Immersion to dry USEPA method 24	3.3 % 4.9 % 3 g/L	Suitability for use in contact with portable water	BS 6920 section 2 -Odour and Flavour -Appearance -Growth of aquatic micro-organisms -Extraction of substances that may be of concern to public health -Extraction of metal	Complied Complied Complied Complied
Resistance to mould growth	BS 5980	No mould growth			Complied

Thickness and Theoretical Consumption

Tile dimension (mm)			Total consumption (KG/m ²)		
Length	Width	Thickness	Joint width (mm)		
			2 (mm)	3 (mm)	5 (mm)
20	20	4	1.2	-	-
50	50	4	0.5	-	-
95	45	7	-	1.0	1.7
230	60	7	-	0.7	1.1
150	75	6	-	0.5	0.9
100	100	6	-	0.5	0.9
150	150	6	-	0.4	0.6
200	200	8	-	0.4	0.6
200	300	8	-	0.3	0.5
300	300	8	-	0.2	0.4
300	300	10	-	0.3	0.5
300	300	20	-	-	1.0
300	600	10	-	0.2	0.4
330	330	10	-	0.3	0.5
450	450	12	-	-	0.4
600	600	12	-	-	0.3

$$\text{Total consumption (KG/m}^2\text{)} = \frac{(\text{Tile length} + \text{Tile width}) \times \text{Tile thickness} \times \text{Joint width}}{\text{Tile length} \times \text{Tile width}} \times \text{Coverage (KG/m}^2\text{/mm)}$$

Procedures

Substrate Preparations

- Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination on any traces of foreign materials affecting the adhesion of webergROUT fine.

Mixing and Installation

- webergROUT fine can be applied at least 1 day after tiling.
- Before application, dampen the surface with clean water and allow excess water to drain away.
- Mix a bag of dry-mixed powder (25 KG) with appropriate amount of water by using an electrical mixer. Add approx. 25 –28% (6.3 – 7 L) of water.
- Stir the mixture thoroughly for 5 – 7 minutes to obtain a creamy paste without lumps.
- Apply webergROUT fine grouting mortar to the tiled wall with a rubber, or sponge trowel, or other suitable tool diagonally over the tiles. Force and compact maximum amount of grout deep into the joints.
- Excess grout on the tiles should be wiped away diagonally by using a rubber or sponge trowel.
- Allow the grout to dry for 15 – 30 minutes, depending on temperature and humidity, then clean the tile surface by a damp coarse cloth or sponge. The cloth or sponge shall be dry enough to minimize “pulling” or “shirking” of joint.
- Please refer to our method statement for procedures in details.

Curing

- Natural air curing is enough for webergROUT fine.



webergrout coarse

Abrasion resistance, cement-based tile grout for wall and floor grouting with joint width of 5 – 12 mm complied with CG2WA class of EN 13888.

webergrout coarse is a cementitious single component tile grout. It is designed for grouting porous and vitreous tiles on interior or exterior walls and floors with joint width 5 – 12 mm. The grout is shrinkage compensated which can prevent cracking. **webergrout coarse** has low water absorption and high adhesion to tiles and tile adhesive. There is a wide range of colours available to match different tiles.

Uses

- Grouting for ceramic, vitrified tiles and marble that with joint width of 5 – 12 mm
- Grouting for industrial flooring where resistance to chemical is not required

Features and Benefits

- Formulated to comply with European Norm, American Standard, British Standard and Chinese Standard
- Shrinkage compensated : reduce the chance of shrinkage cracks
- Good abrasion resistance
- Good compressive and flexural strength
- Resistance to acidic cleanser with pH > 3

Complied Standards

- European Norm : EN 13888 Class CG2WA
- American Standard : ANSI A118.6, USEPA method 24
- British Standard : BS 5980 Part 7.9
- Chinese Standard : JC/T 1004 Class CG2WA

Technical Data

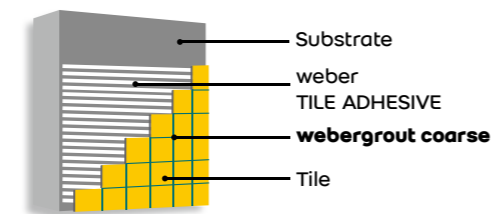
Colour	Custom
Component	Portland cement, non-reactive aggregate, graded sand and other chemical additives
Max. aggregate size	1 mm
Water demand	Grey and other colours: Approx. 15 - 18% (3.8 – 4.5 L/25 KG bag) White: Approx. 18 – 21% (4.5 – 5.3 L/25 KG bag)
Density	1.4 g/cm ³
Pot life	Approx. 1 hour
Coverage	Approx. 1.7 kg/m ² /mm



Packaging
25kg / bag

Storage life
12 months

if the product is kept in dry condition and stored in the original unopened packaging.



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Physical Properties

Abrasion resistance	EN 12808 – 2	< 1,000 mm ³	Compressive strength	EN 12808-3 - After dry storage - After freeze-thaw cycle	≥ 15 N/mm ² ≥ 15 N/mm ²
Flexural strength	EN 12808 – 3	- After dry storage ≥ 3.5 N/mm ² - After freeze-thaw cycle ≥ 3.5 N/mm ²	Linear shrinkage	ANSI A118.6 - After 24 hours - After 7 days EN 12808 – 4 - After 28 days	≤ 0.5 mm/m ≤ 1.5 mm/m ≤ 2 mm/m
Water absorption	EN 12808 – 5	- After 30 minutes ≤ 2 g - After 240 minutes ≤ 5 g	Resistance to mould growth	BS 5980	No mould growth
Tensile strength	BS 5980	1000 N			

Thickness and Theoretical Consumption

Tile dimension (mm)			Total consumption (KG/m ²)			
Length	Width	Thickness	Joint width (mm)			
			5 (mm)	8 (mm)	10 (mm)	12 (mm)
300	300	8	0.5	0.7	0.9	-
300	300	10	0.6	0.9	1.1	-
300	300	20	1.1	1.8	2.3	2.7
300	600	10	0.4	0.7	0.9	-
330	330	10	0.5	0.8	1.0	-
450	450	12	0.5	0.7	0.9	1.1
600	600	12	0.3	0.5	0.7	0.8

$$\text{Total consumption (KG/m}^2\text{)} = \frac{(\text{Tile length} + \text{Tile width}) \times \text{Tile thickness} \times \text{Joint width}}{\text{Tile length} \times \text{Tile width}} \times \text{Coverage (KG/m}^2\text{/mm)}$$

Procedures

Substrate Preparations

- Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination on any traces of foreign materials affecting the adhesion of webergrout coarse.

Mixing and Installation

- webergrout coarse can be applied at least 1 day after tiling.
- Before application, dampen the surface with clean water and allow excess water to drain away.
- Mix a bag of dry-mixed powder (25 KG) with appropriate amount of water by using an electrical mixer. Add approx. 15 – 18% (3.8 – 4.5 L) of water for grey powder / 18 – 21% (4.5 – 5.3 L) of water for white powder.
- Stir the mixture thoroughly for 5 – 7 minutes to obtain a creamy paste without lumps.
- Apply webergrout coarse grouting mortar to the tiled wall with a rubber, or sponge trowel, or other suitable tool diagonally over the tiles. Force and compact maximum amount of grout deep into the joints.
- Excess grout on the tiles should be wiped away diagonally by using a rubber or sponge trowel.
- Allow the grout to dry for 15 – 30 minutes, depending on temperature and humidity, then clean the tile surface by a damp coarse cloth or sponge. The cloth or sponge shall be dry enough to minimize “pulling” or “shirking” of joint.
- If grout haze or film is found on the surface of the tile after grouting, it shall be removed as quickly as possible, preferably within 1 hour.
- Please refer to our method statement for procedures in details.

Curing

- Natural air curing is enough for webergrout coarse.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.



webergROUT flowable

Cement-based tile grout for wall and floor tiling grouting with joint of 5 – 12 mm.

webergROUT flowable is a cementitious single component tile grout. It is designed for grouting porous and vitreous tiles on interior or exterior walls and floors with joint width of 5 – 12 mm. The grout is shrinkage compensated which can prevent cracking. **webergROUT flowable** has low water absorption and high adhesion to tiles and tile adhesive. There is a wide range of colours available to match different tiles.

Uses

- Grouting for ceramic, vitrified tiles and marble that with joint width of 5 – 12 mm
- Grouting for tiles or stones in irregular shapes or ragged surface
- Use squeezing method application, can reduce contamination to tiles
- Grouting for industrial flooring where resistance to chemical is not required



Packaging

25kg / bag

Storage life

12 months
if the product is kept in dry condition and stored in the original unopened packaging.

Features and Benefits

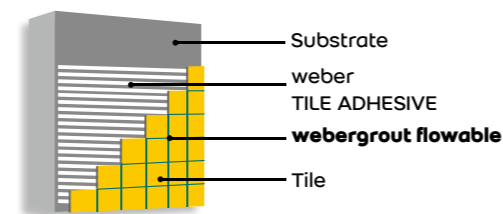
- Flowable and anti-sagging : easy to handle and apply, fast application
- Shrinkage compensated : reduce the chance of shrinkage cracks
- Good abrasion resistance
- Good compressive and flexural strength
- Resistance to acidic cleanser with pH > 3

Complied Standards

- European Norm : EN 13888 Class CG2WA
- American Standard : ANSI A118.6, USEPA method 24
- British Standard : BS 5980 Part 7.9
- Chinese Standard : JC/T 1004 Class CG2WA

Technical Data

Colour	Custom
Component	Portland cement, non-reactive aggregate, graded sand and other chemical additives
Max. aggregate size	1 mm
Water demand	Approx. 28 – 32% (7 – 8 L/25 KG bag)
Density	1.4 g/cm ³
Pot life	Approx. 1 hour
Coverage	Approx. 1.7 kg/m ² /mm



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Physical Properties

Abrasion resistance		< 1,000 mm ³
Compressive strength	- After dry storage - After freeze-thaw cycle	≥ 15 N/mm ² ≥ 15 N/mm ²
Flexural strength	- After dry storage - After freeze-thaw cycle	≥ 3.5 N/mm ² ≥ 3.5 N/mm ²
Linear shrinkage	- After 24 hours - After 7 days - After 28 days	≤ 0.5 mm/m ≤ 1.5 mm/m ≤ 2 mm/m
Water absorption	- After 30 minutes - After 240 minutes	≤ 2 g ≤ 5 g
Resistance to mould growth		No mould growth
Tensile strength		> 1,000 N

Thickness and Theoretical Consumption

Tile dimension (mm)			Total consumption (KG/m ²)		
			Joint width (mm)		
Length	Width	Thickness	8 (mm)	10 (mm)	12 (mm)
300	300	8	0.7	0.9	-
300	300	10	0.9	1.1	-
300	300	20	1.8	2.3	2.7
300	600	10	0.7	0.9	-
330	330	10	0.8	1.0	-
450	450	12	0.7	0.9	1.1
600	600	12	0.5	0.7	0.8

$$\text{Total consumption (KG/m}^2\text{)} = \frac{(\text{Tile length} + \text{Tile width}) \times \text{Tile thickness} \times \text{Joint width}}{\text{Tile length} \times \text{Tile width}} \times \text{Coverage (KG/m}^2\text{/mm)}$$

Procedures

Substrate Preparations

- Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination on any traces of foreign materials affecting the adhesion of webergROUT flowable.

Mixing and Installation

- webergROUT flowable can be applied at least 1 day after tiling.
- Before application, dampen the surface with clean water and allow excess water to drain away.
- Mix a bag of dry-mixed powder (25 KG) with appropriate amount of water by using an electrical mixer. Add approx. 28 – 32% (7 – 8 L) of water.
- Stir the mixture thoroughly for 5 – 7 minutes to obtain a creamy paste without lumps. Fill in the webergROUT flowable grouting mortar into the grout squeezing bag until the bag is 2/3 full.
- Apply the grouting mortar by squeezing the mortar into the tiled joints and force and compact the maximum amount of webergROUT flowable grouting mortar deep into the joints until they are firmly filled.
- Make sure there is no excess of grouting mortar on the tile surface.
- Allow the grout to dry for 60 – 120 minutes, depending on temperature and humidity, and then use a pointing tool to force the grouted joints to smoothen the grouted surface.
- Please refer to our method statement for procedures in details.

Curing

- Natural air curing is enough for webergROUT flowable.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.



webergrout effloguard TG

Polymer modified cementitious tile grout with efflorescence resistance and low water absorption properties for wall and floor grouting complied with CG2WA class of EN 13888.

webergrout effloguard TG is a cementitious single component tile grout. It is designed for grouting porous and vitreous tiles or stones on interior or exterior walls and floors. Our polymer modified grout is an efflorescence reducing, low water absorption, mould growth resistance grouting material and it is shrinkage compensated which can prevent cracking. It is more appropriate to apply other Weber EFFLOGUARD Series products together for a better efflorescence resistance performance.

Uses

- Grouting for ceramic, vitrified tiles and marble
- Grouting for industrial flooring where resistance to chemical is not required
- Suitable for grouting in different indoor and outdoor floor and wall areas, including swimming pools, balconies, etc

Features and Benefits

- Formulated to comply with British Standard, European Norm and Chinese Standard
- Reduce efflorescence
- Fast setting
- Shrinkage compensated: reduce the chance of shrinkage cracks
- Low water absorption
- Good mould growth resistance
- Good abrasion resistance
- Good compressive and flexural strength
- Resistance to acidic cleanser with pH > 3

Complied Standards

- European Norm : EN 13888 Class CG2WA, EN 12859
- Chinese Standard : JC/T 1004 Class CG2WA, JC/T 1024

Technical Data

Colour	Custom
Component	Low Portlandite Cement System, non-reactive aggregate, graded sand and other chemical additives
Max. aggregate size	0.5 mm
Water demand	Approx. 28% – 32% or 7 – 8 L /25kg bag
Density	1.1 g/cm ³
Pot life	Approx. 1 hour
Coverage	Approx. 1.5 kg/m ² /mm (< 8 mm joint width use)

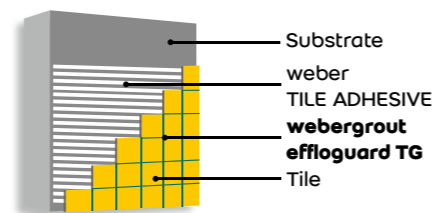


Packaging

25kg / bag

Storage life

6 months
if the product is kept in dry condition and stored in the original unopened packaging.



Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

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Physical Properties

Abrasion resistance	EN 12808-2	< 1,000 mm ³
Compressive strength	EN 12808-3 - After dry storage - After freeze-thaw cycle	> 15 N/mm ² ≥ 15 N/mm ²
Flexural strength	EN 12808-3 - After dry storage - After freeze-thaw cycle	≥ 3.5 N/mm ² ≥ 3.5 N/mm ²
Linear shrinkage	EN 12808-4 - After 28 days	< 2 mm/m
Water absorption	EN 12808-5 - After 30 minutes - After 240 minutes	< 2 g < 5 g
Resistance to Efflorescence	JC/T 1024	No efflorescence after 21 cycles
pH value	EN 12859	10-11
Setting Time		2 – 3 hours

Thickness and Theoretical Consumption

Tile dimension (mm)			Consumption (KG/m ²)		
			Gap width (mm)		
Length	Width	Thickness	2 (mm)	3 (mm)	5 (mm)
20	20	4	1.2	-	-
50	50	4	0.5	-	-
95	45	7	-	1.0	1.7
230	60	7	-	0.7	1.1
150	75	6	-	0.5	0.9
100	100	6	-	0.5	0.9
150	150	6	-	0.4	0.6
200	200	8	-	0.4	0.6
200	300	8	-	0.3	0.5
300	300	8	-	0.2	0.4
300	300	10	-	0.3	0.5
300	300	20	-	-	1.0
300	600	10	-	0.2	0.4
330	330	10	-	0.3	0.5
450	450	12	-	-	0.4
600	600	12	-	-	0.3

$$\text{Total consumption (KG/m}^2\text{)} = \frac{(\text{Tile length} + \text{Tile width}) \times \text{Tile thickness} \times \text{Joint width}}{\text{Tile length} \times \text{Tile width}} \times \text{Coverage (KG/m}^2\text{/mm)}$$

Procedures

Substrate Preparations

- Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination on any traces of foreign materials affecting the adhesion of webergrout effloguard TG.

Mixing and Installation

- webergrout effloguard TG can be applied at least 1 day after tiling.
- Before application, dampen the surface with clean water and allow excess water to drain away.
- Mix the dry mix powder with an electric mixer of 25 kg/ bag with appropriate amount of, add approximately 28 – 32% (7 – 8 L) of water.
- Stir the mixture thoroughly for 5 – 7 minutes to a creamy paste without lumps by using common portable electric mixer.
- Apply webergrout effloguard TG grouting mortar to the tiled wall with a rubber, or sponge trowel, or other suitable tool diagonally over the tiles. Force and compact maximum amount of grout deep into the joints.
- Excess grout on the tiles should be wiped away diagonally by using a rubber or sponge trowel.
- Allow the grout to dry for 15-30 minutes depending on temperature and humidity, then clean the tile surface by a damp coarse cloth or sponge. The cloth or sponge shall be dry enough to minimize “pulling” or “shirking” of joint.
- If grout haze or film is found on the surface of the tile after grouting, it shall be removed as quickly as possible, preferably within 1 hour.

Curing

- Natural air curing is enough for webergrout effloguard TG.



weberepox easy

Two component reaction resin grout and adhesive to be used for tile and stone.

weberepox easy is a two-part, 100% solid, easy to apply, chemical & stain resistant, reaction resin based epoxy grout & adhesive suitable for applications on all types of tiles and stones. It can be used in hygiene sensitive areas requiring sterile conditions.

Packaging

5kg / bucket
containing both
component A + B
part



Storage life

24 months
if the product is kept
in dry condition and
stored in the original
unopened packaging.

Uses

- Grouting tiles where chemical resistance or complete impermeability are required
- Fixing tiles where very high bond strength, toughness and flexibility are required
- Interior and exterior tiling on wall and floor

Features and Benefits

- Easy to apply
- Chemical resistant
- Extra flexible
- Lasting protection from mould growth
- Water resistant
- Low VOC

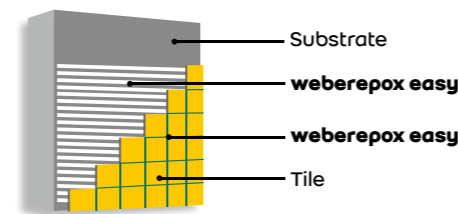
Complied Standards

- ISO 13007
- American Standard : ANSI 118.3

Physical Properties

Abrasion resistance	ISO 13007	230 mm ³
Compressive strength		47 Mpa
Flexural strength		32 Mpa
Shrinkage (mm/m)		0.57 mm/m
Water absorption		0.05gm
Shear abrasion strength		2.5 Mpa
Water cleanability	ANSI118.3 (5.1)	95 mins
Initial Setting Time	ANSI118.3 (5.2)	175 mins
Service setting time		6 days
Shrinkage	ANSI118.3 (5.3)	0.09%
Sag in vertical joints	ANSI118.3 (5.4)	No Change
Tensile strength, N/mm ²	ANSI118.3	8.7 Mpa
Thermal shock, N/mm ²	ANSI118.3	4.2 Mpa

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.



TILE GROUTING



TILE FIXING



TWO COMPONENT



JOINTWIDTH



WATER RESISTANT



EASY TO CLEAN

Technical Data

Colour	Custom
Component	Component A - Coloured resin paste Component B - Neutral Colour Hardener paste
Density	1.54 g/cm ³
Pot life	Approx. 80 mins (25°C)

* Note: The information and physical data in this catalogue is given to the best of our knowledge under standard testing method and controlled environment. The results may vary with different weather / site conditions, workmanship or substrates. This is beyond our control that we shall not be liable for any faults or consequences arising or associated with this. We suggest comprehensive tests to be conducted before final application. Unless specified, all technical data are average values with curing time of 28 days. We reserve the right to update or amend the contents in the light of new findings during the course of research and development.

Thickness and Theoretical Consumption (Adhesive consumption in kg/m²)

Tile size (mm x mm x mm)	Recommended notch size (mm x mm)	Back buttering thickness (mm)	Total thickness (mm)	weberepox easy consumption (KG/m ²)
45X95x6	6	Nil	2	3.15
45x145X6	6	Nil	2	3.15
100X100X7	6	Nil	2	3.15
200x200x7	6	Nil	2	3.15
300x300x10	6	1	3	6.3
300x600x10	6 - 8	1	4	6.3
600x600x15	8 - 10	2	5	7.9
1000x1000x20	10 - 12	2	6	9.5

Thickness and Theoretical Consumption (Grout consumption in kg/m²)

Tile size (mm x mm x mm)	Joint width in mm					
	2	4	6	8	10	12
300 x 300 x 8	0.16	0.32	0.48	0.64	0.80	0.96
300 x 300 x 10	0.20	0.39	0.59	0.79	0.99	1.18
300 x 300 x 12	0.23	0.47	0.70	0.93	1.17	1.40
300 x 450 x 8	0.13	0.27	0.40	0.54	0.67	0.81
300 x 450 x 10	0.17	0.33	0.50	0.66	0.83	1.00
300 x 450 x 12	0.20	0.39	0.59	0.79	0.99	1.18
450 x 450 x 8	0.11	0.22	0.33	0.43	0.54	0.65
450 x 450 x 10	0.13	0.27	0.40	0.54	0.67	0.81
450 x 450 x 12	0.16	0.32	0.48	0.64	0.80	0.96
450 x 600 x 8	0.10	0.19	0.29	0.38	0.48	0.57
450 x 600 x 10	0.12	0.24	0.35	0.47	0.59	0.71
450 x 600 x 12	0.14	0.28	0.42	0.56	0.70	0.84
600 x 600 x 8	0.08	0.16	0.25	0.33	0.41	0.49
600 x 600 x 10	0.10	0.20	0.31	0.41	0.51	0.61
600 x 600 x 12	0.12	0.24	0.36	0.49	0.61	0.73

Procedures

Substrate Preparations

- Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination on any traces of foreign materials affecting the adhesion of weberepox easy.
- All joints should be cleaned by washing with water/detergent. Any water or moisture present during grouting can cause the breakdown of the epoxy and make it susceptible to absorbency and discoloration. Ensure the joints are completely dry before grouting.

Mixing and Installation

- Take 4 parts resin component A, 1 part hardener component B, 4:1 by weight and in case of volume ratio of 3.75 : 1 of component A to component B.
- Mix the component A & component B thoroughly for 2-3 minutes to get a homogeneous paste and consistent colour.
- No water to be added in the mix.

For tile grouting

- Apply weberepox easy grouting mortar to the tiled wall with a rubber, or sponge trowel, or other suitable tool diagonally over the tiles. Force and compact maximum amount of grout deep into the joints.
- Wipe off any excess material immediately with a sponge or an appropriate tool. Use a damp sponge to clean the tiled surface.
- Use the sponge in circular motion to get optimum results.
- It should be ensured that minimum amount of water is required in cleaning which otherwise impair the final chemical resistance.
- For vertical surfaces a non-abrasive cloth or smooth pad can be used to loosen any film and removing it without remove the epoxy from the joints.
- It is recommended that for surfaces the final cleaning and touch ups should be done within 30 mins from the application.

For tile fixing

- Apply weberepox easy by using a notched trowel directly onto substrate.
- Press tile / stone firmly against the adhesive bed with slight shear.
- Ensure proper material transfer for good bonding.
- Please refer to our method statement for procedures in details.

Curing

- Natural air curing is enough for weberepox easy.



weberseal NS 135

A high/middle modulus elastomeric silicone sealant specifically designed for weatherproofing curtain walls.

weberseal NS 135 has good adhesion and elongation indicators for aluminium, glass, coated glass, concrete, certain plastics, natural stone and wood, and has no signs of corrosion or discolouration. The product meets the requirements of ASTM C920 and ISO 11600, completely unaffected by rain, snow, sharp temperature changes and long-term UV exposure.

Uses

- Used for assembling, sealing, sticking and repairing of most glass
- Widely used for glazing and sealing all types of steel frame stone aluminum tunnel road metal engineering and building fitment
- General glazing and weather sealing in curtain wall and building facades.

Features and Benefits

- UV resistance
- Waterproof
- None corrosive
- Weatherproof
- Low odor

Complied Standards

- ISO 11600
- American Standard : ASTM C920

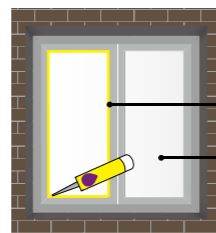


Packaging

300ml / cartridge

Storage life

12 months
if the product is kept in dry condition and stored in the original unopened packaging.



weberseal NS 135

Glass



UV RESISTANT



WEATHERPROOF



MULTI-PURPOSE

Physical Properties

Items	C*a/T*b/S*c/O*d	Typical Value	Test Std	Eqv. Std
Appearance		Fine, uniform paste	By eyes	
Density		1.53 g/cm ³	GB/T 13477.2	
Tack free	Finger	16 mins	GB/T 13477.5	ASTM D2377:2000
Sagging		≤ 1 mm	GB/T 13477.6	ISO 7390:1987
Hardness, Shore A	7 days	35	GB/T 531.1	ISO 7619-1:2004
Curing Depth	24 hours 7 days	1.85 mm 31 mm	GB/T 32369 GB/T 32369	
Movement Capability		20HM		
Elastic recovery rate		93%	GB/T13477.17	ISO 7389
Tensile strength	23 °C	0.6 Mpa	GB/T13477.8	ISO 8339
Elongation at break	23 °C	159.1%	GB/T13477.8	ISO 8339
Tensile modulus	100% modulus, 23 °C	0.58 Mpa	GB/T13477.8	ISO 8339
Tensile strength	-20 °C	0.97 Mpa	GB/T13477.8	ISO 8339
Elongation at break	-20 °C	256.3%	GB/T13477.8	ISO 8339
Tensile modulus	100% modulus, -20 °C	0.84 Mpa	GB/T13477.8	ISO 8339
Tensile Properties at maintained extention	After immersion	Pass Pass	GB/T 13477.10 GB/T 13477.11	ISO 8340:2005 ISO 10590:2005
Adhesion / cohesion properties	variable temperature	Pass	GB/T 13477.13	ISO 9047
	UV radiation	Pass	JC/T 485-2007	ISO 8340
	Immersion illumination	Pass	JC/T 485-2007	ISO 11600

Procedures

Application

- Surface must be clean and free from grease and old glue. Mask smooth surface to simplify clean up.
- Use the sealant after cleaning agent dries, around 1-2mins later. Use two different cloth, one for cleaning agent, and the other for sealant. (Notice that the two cloths can't be mixed use together, and the second cloth will be better purified cotton and no picking).
- For better appearance, cover outside of joint areas with masking taps before application.
- Cut nozzle to desired size and extrude sealant to joint areas. Tool immediately after sealant application, make it smooth and remove maskingtape before set.

Restrictions

- To the substrate that the surface temperature exceeds +50°C or apply at temperatures below 5°C.
- To the surfaces that with direct touch of food.
- To all surfaces that bleed oil, plasticizers or solvents such as wood immersed in oil, oil crack filler, and some uncured or sulfur zed fat and to surface where is wet.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

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weberklin N

Professional detergent for cleaning interior and exterior surfaces.

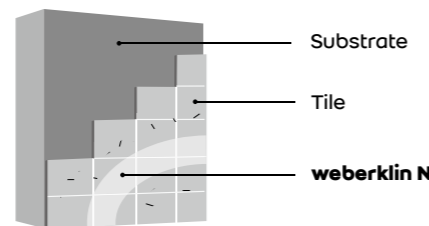
weberklin N is an acid-based detergent, which is designed to easy grout cleaning, remove scale deposition and grout haze. This special formulation makes no harm to ceramic mosaic tiles, aluminium and glass surfaces.



Packaging
20L / drum

Storage life

24 months
if the product is kept in dry condition and stored in the original unopened packaging.



Technical Data

Colour	Strawberry red
Mixing ratio (weberklin N : water)	1 : 7 – 14 for general purpose 1 : 1 for heavy duty
Specific gravity	1.01 – 1.05 g/cm ³
pH value	~2
Consumption	Approx. 4m ² /L

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

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Uses

- Interior wall and floor tiles cleaning
- Exterior wall and floor tiles cleaning
- Remove hard water deposits, grout haze and efflorescence
- Suitable for wall tiles, screeding tile, jin brick, granite, slate from concrete, dinas and cement grouting
- Not suitable for cleaning colour render, marble, limestone, travertine and surface which is not acid-resistant

Features and Benefits

- Easy-to-use
- Acid-based material for easy removal of efflorescence and cement scale
- Remove dirt, oil and grease

Procedures

Substrate Preparations

- Before cleaning, please identify the type of substrate. This product is not suitable for cleaning colour render, marble, limestone, travertine and surface which is not acid-resistant. Test this product on an insignificant area before mass application.
- Stay away from metal, clay, glue and other items. Protect all those items which can be damaged by acid splashing.

Mixing and Installation

- Before mixing weberklin N, wear protective clothing, gloves and goggles to avoid direct contact with the product.
- Dilute the weberklin N with the appropriate proportion of water in a clean bucket, pail or other suitable vessels. For general purpose, add weberklin N and water in the ratio of 1:7-14; for heavy duty, in the ratio of 1:1.
- Dampen the substrate surface and spray the diluted weberklin N mixture directly onto the required area.
- Wait for around 5 minutes for it to react, then scrub the area with a soft brush cleaner or mop.
- Rinse thoroughly with water and repeat rinsing until there is no more residue of weberklin N.
- Please refer to our method statement for procedures in details.



weberklin R

Professional detergent for removing aged stains from general rock, tiles and cements

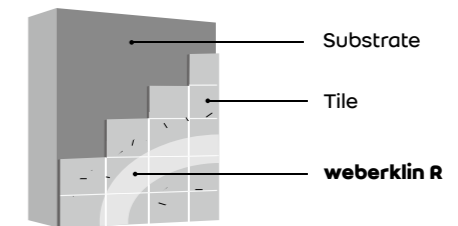
weberklin R is an acid-based detergent with inhibitor, which can dispel the oxidised surface of aluminium and zinc. It is specially formulated for interior and exterior surfaces and grout cleaning with no harm to ceramic mosaic tiles, granite, slate from concrete cement grouting, aluminium and glass surfaces.



Packaging
20L / drum

Storage life

24 months
if the product is kept in dry condition and stored in the original unopened packaging.



Technical Data

Colour	Orange
Mixing ratio (weberklin R : water)	1 : 10 – 20 for general purpose 1 : 5 – 10 for moderate duty 1 : 1 for heavy duty
pH value	~4
Specific gravity	1.01 – 1.05 g/cm ³
Consumption	Approx. 4m ² /L

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

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Uses

- Interior wall and floor tiles cleaning
- Exterior wall and floor tiles cleaning
- Clean and dispel the oxidised surface of aluminium and zinc
- Remove hard water deposits, grout haze and efflorescence
- Suitable for general stone surfaces and cement grouting
- Not suitable for cleaning colour render, marble, limestone, travertine and surface which is not acid-resistant

Features and Benefits

- Easy-to-use
- Non-flammable and non-toxic
- Remove dirt, oil, grease, moss, oxidation, carbon deposition, grey mud stains and organic stains

Procedures

Substrate Preparations

- Before cleaning, please identify the type of substrate. This product is not suitable for cleaning colour render, marble, limestone, travertine and surface which is not acid-resistant. Test this product on an insignificant area before mass application.
- Stay away from metal, clay, glue and other items. Protect all those items which can be damaged by acid splashing.

Mixing and Installation

- Before mixing weberklin R, wear protective clothing, gloves and goggles to avoid direct contact with the product.
- Dilute the weberklin R with the appropriate proportion of water in a clean bucket, pail or other suitable vessels. For general purpose, add weberklin R and water in the ratio of 1:10 – 20; for moderate duty in the ratio of 1:5 – 10; for heavy duty, in the ratio of 1:1.
- Dampen the substrate surface and spray the diluted weberklin R mixture directly onto the required area.
- Wait for around 5 minutes for it to react, then scrub the area with a soft brush cleaner or mop.
- Rinse thoroughly with water and repeat rinsing until there is no more residue of weberklin R.
- Please refer to our method statement for procedures in details.



weberdry elastic slurry

Two-component, medium elastomeric cementitious coating for interior & exterior waterproofing systems.

weberdry elastic slurry is a two-component latex modified cementitious coating, which can be simply achieved by mixing a pre-packed dry-mixed powder with a formulated flexible latex admixture, and subsequent painting the slurry on various substrates. It protects a wide range of buildings and structural concrete components with excellent resistance to water, aggressive chemicals, long-term weathering and scratching. It is applicable to those structures subject to long-term water immersion.

Uses

- Sealing and waterproofing of walls and floors with protections from Weber RENDER or Weber SCREED series or cement mortar
- Applicable to both positive and negative sides of water-receiving substrates
- Suitable for waterproofing of walls and floors in tunnels, basements, water tanks, swimming pools, balconies, terraces and wet rooms such as washrooms and bathrooms
- Anti-carbonation
- Applicable to substrates subject to shrinkage, vibration, movement, stress and minor crack formation
- Appropriate substrates : concrete, pre-cast surface, lightweight blocks, shotcrete, etc.

Features and Benefits

- Formulated to comply with American Standard and Chinese Standard
- Easy-to-use
- Applicable to substrates with complex surfaces and shapes
- Applicable under high humidity environment
- Pre-packed component : fixed mixing proportion, ensure the quality of work
- Good workability : simple brush paint
- Rough surface : enhance the adhesion for rendering and tiling
- Non-toxic : environmentally friendly

Complied Standards

- American Standard : ASTM D412, ASTM E96
- Chinese Standard : GB/T 23445
- German Standard : DIN 1048

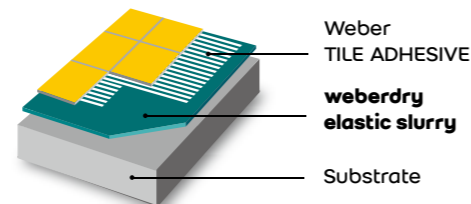


Packaging

**25kg powder / bag
and
9 L emulsion /
drum**

Storage life

12 months
if the product is kept
in dry condition and
stored in the original
unopened packaging.



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Technical Data

	Part A	Part B
	25 KG (dry-mixed powder)	9 L (flexible latex admixture)
Colour	Grey	Milky white
Component	Portland cement, non-reactive aggregate, graded sand and other chemical additives	
Max. aggregate size	0.3 mm	
Mixing ratio	9 L latex admixture/25 KG bag	
Density	1.1 KG/L (dry) 1.6 KG/L (wet)	
Pot life	Approx. 2 hours	
Thickness	0.5 – 1.2 mm in 2 coats	
Theoretical consumption	Approx. 16 – 21 m ² /package	

Physical Properties

Solid content	GB/T 23445	> 75%
Drying time	- Surface dry - Foot trafficable	< 3 hours < 6 hours
Tensile strength	ASTM D412 - Initial strength GB/T 23445 - Initial strength - Tensile strength after heating (80 °C for 5 hours) - Tensile strength after alkaline treatment (10% NaOH for 48 hours) - Tensile strength after water immersion	1.4 N/mm ² 1.06 N/mm ² 0.88 N/mm ² 2.31 N/mm ² 1.75 N/mm ²
Adhesive strength to concrete (under moisture condition)	GB/T 23445	0.7 N/mm ²
Elongation at break	ASTM D412 - Elongation	36%
Water impermeability pressure	GB/T 23445 - Head of water, 0.3 MPa for 30 minutes - Head of water on the negative side	Watertight 0.8 N/mm ²
Water Vapour Transmission	ASTM E96 - Front Face (Permeance) - Rear Face (Permeance)	2.89 x 10 ⁻⁷ g/ Pa·s·m ² 2.02 x 10 ⁻⁷ g/ Pa·s·m ²
Suitability for use in contact with portable water	BS 6920 section 2 - Odour and Flavour - Appearance - Growth of aquatic micro-organisms - Extraction of substances that may be of concern to public health - Extraction of metal	Complied Complied Complied Complied Complied

Procedures

Substrate Preparations

- Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination on any traces of foreign materials affecting the adhesion of weberdry elastic slurry.
- Pre-soak the substrate with water.

Mixing and Installation

- Empty the latex admixture (9 L) into a bucket, pail or other suitable vessels.
- Add the dry-mixed powder (25 KG) gradually to the admixture and avoid lump formation until a smooth consistent mixture is achieved.
- Stir gently using an electrical mixer with mixing time of 5 – 7 minutes.
- Apply the slurry onto the substrate with a total thickness of 0.5 – 1.2 mm by using a block brush, squeegee or roller in a 2-layer stifling action. The second coat must be applied after the first coat is dried for approximately 30 minutes – 1 hour.
- Weber RENDER or Weber SCREED series should be applied on the weberdry elastic slurry as a protective layer.
- Please refer to our method statement for procedures in details.

Curing

- Natural air curing is enough for weberdry elastic slurry. It is recommended to wait for 7 days for extra weight to be hung on top of the weberdry elastic slurry for wall. Water leakage test can be started after 4 day's curing.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.



weberdry elastic slurry HP

Two-component, elastomeric cementitious coating for interior & exterior waterproofing system complied with class JS I of GB/T 23445.

weberdry elastic slurry HP is a two-component latex modified cementitious coating, which can be simply achieved by mixing a pre-packed dry-mixed powder with a formulated flexible latex admixture, and subsequent painting the slurry on various substrates. It protects a wide range of buildings and structural concrete components with excellent resistance to water, aggressive chemicals, long-term weathering and scratching. **weberdry elastic slurry HP** is applicable to those structures subject to long-term water immersion.

Uses

- Sealing and waterproofing of walls and floors with protections from Weber RENDER or Weber SCREED series or cement mortar
- Applicable to both positive and negative sides of water-receiving substrates
- Suitable for waterproofing of walls and floors in tunnels, basements, water tanks, swimming pools, balconies, terraces and wet rooms such as washrooms and bathrooms
- Anti-carbonation
- Applicable to substrates subject to shrinkage, vibration, movement, stress and minor crack formation
- Appropriate substrates : concrete, pre-cast surface, lightweight blocks, shotcrete, etc.

Features and Benefits

- Formulated to comply with Hong Kong Standard, American Standard, German Standard and Chinese Standard
- Easy-to-use
- Applicable to substrates with complex surfaces and shapes
- Applicable under high humidity environment
- Pre-packed component : fixed mixing proportion, ensure the quality of work
- Good workability : simple brush paint
- Rough surface : enhance the adhesion for rendering and tiling
- Non-toxic : environmentally friendly

Complied Standards

- American Standard : ASTM D412, ASTM E96
- German Standard : DIN 1048
- Chinese Standard : GB/T 23445

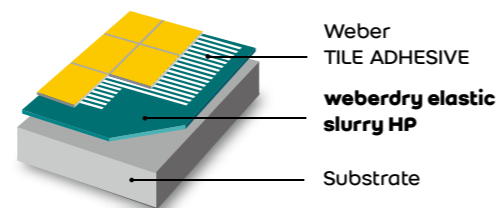


Packaging

**25kg powder / bag
and
18L emulsion /
drum**

Storage life

12 months
if the product is kept
in dry condition and
stored in the original
unopened packaging.



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Technical Data

	Part A	Part B
	25 KG (dry-mixed powder)	18 L (latex admixture)
Colour	Grey	Milky white
Component	Portland cement, non-reactive aggregate, graded sand and other chemical additives	
Max. aggregate size	0.3 mm	
Mixing ratio	18 L latex admixture/25 KG bag	
Density	1.1 KG/L (dry) 1.3 KG/L (wet)	
Pot life	Approx. 2 hours	
Thickness	0.5 – 1.2 mm	
Theoretical consumption	Approx. 22 – 28 m ² /package	

Physical Properties

Solid content	GB/T 23445	> 65%
Drying time	- Surface dry - Foot trafficable	< 4 hours < 8 hours
Tensile strength	ASTM D412 - Initial strength GB/T 23445 - Initial strength - Tensile strength after heating (80 °C for 5 hours) - Tensile strength after alkaline treatment (10% NaOH for 48 hours) - Tensile strength after water immersion	1.4 N/mm ² 1.2 N/mm ² 1.9 N/mm ² 1.4 N/mm ² 1.1 N/mm ²
Bond strength	BS EN 13892-8	0.6 N/mm ²
Elongation at break	ASTM D412, BS 903 : Part A2 - Elongation GB/T 23445 - Elongation - Elongation after heating (80 °C for 5 hours) - Elongation after alkaline treatment (10% NaOH for 48 hours) - Elongation after water immersion	200% 300% 178% 193% 247%
Bridge cracks		1.75 mm
Flexibility	GB/T 23445	No cracking at -10°C
Pond test	HKHA Spec. WAT6 M010.4	pass
Water permeability (penetration) Test	DIN 1048 - Head of water, 0.5 MPa	Watertight
VOC content	ASTM D3960	< 2g/KG

Procedures

Substrate Preparations

- Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination on any traces of foreign materials affecting the adhesion of weberdry elastic slurry HP.
- Pre-soak the substrate with water.

Mixing and Installation

- Empty the latex admixture (18 L) into a bucket, pail or other suitable vessels.
- Add the dry-mixed powder (25 KG) gradually to the admixture and avoid lump formation until a smooth consistent mixture is achieved.
- Stir gently using an electrical mixer with mixing time of 5 – 7 minutes.
- Apply the slurry onto the substrate with a total thickness of 0.5 – 1.2 mm by using a block brush, squeegee or roller in a 2-layer stifling action. The second coat must be applied after the first coat is dried for approximately 30 minutes – 1 hour.
- Weber RENDER or Weber SCREED series should be applied on the weberdry elastic slurry HP as a protective layer.
- Please refer to our method statement for procedures in details.

Curing

- Natural air curing is enough for weberdry elastic slurry HP. It is recommended to wait for 7 days for extra weight to be hung on top of the weberdry elastic slurry HP for wall. Water leakage test can be started after 4 day's curing.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.



weberfloor primer

Polymer dispersion specially formulated for priming of substrates prior to application of Weber self-levelling and floors screed series products.

weberfloor primer is a dispersion of polymer in water with selective active agents to maximise penetration into substrate, and promotes good bond strength. The primer layer can effectively prevent air bubbles trapped in the substrate from diffusing into the self-levelling screed, which could otherwise cause pinholes on the surface of self-levelling screed. It is water-based, non-toxic, and has excellent adhesion to a wide range of substrates such as concrete and cement sand screed.

Uses

- Primer for self-levelling screed
- Sealing porous substrates

Features and Benefits

- Seal the substrate to prevent air bubbles coming up from the substrate into the self-levelling screed
- Increase adhesion strength of self-levelling screed to the substrate
- Water resistance
- Excellent wet and dry adhesion to the substrate
- Good wetting properties

Technical Data

Colour	Green, White emulsion
Component	Polymer emulsion
Mixing ratio (Primer : water)	1 : 5 for the first coat 1 : 3 for the second coat
Specific gravity	1.02 g/cm ³
pH value	7 – 9
Minimum application temperature	10°C
Drying time	2 – 4 hours
Coverage	Approx. 0.2 – 0.3 L/m ² for 2 coats
Theoretical Consumption	Approx. 3 – 5 m ² /L for 2 coats Approx. 66 – 100 m ² /20 L for 2 coats

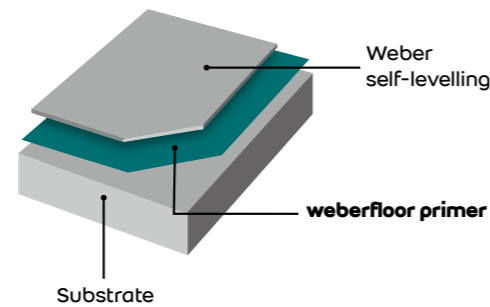


Packaging

20L / drum

Storage life

12 months
if the product is kept in dry condition and stored in the original unopened packaging.



Procedures

Substrate Preparations

- The surface of substrate must be hard, sound and free from surface contamination. Minimum tensile strength of the substrate should be 1.0 N/mm².
- All dust and debris should be vacuum-cleaned from the surface.
- Weak or soft substrates subjected to movement under imposed load (either in use or during material curing), such as asphalt, must be removed.
- Concrete contaminated by oil or grease may require flame gunning and / or treatment with a proprietary degreaser.
- Joints should be formed in self-levelling screed to BS8204.

Mixing and Installation

- weberfloor primer should be applied to the prepared surface by using a soft brush or a primer pump. Avoid ponding and allow weberfloor primer to become touch dry (3 – 4 hours under normal conditions).
- weberfloor primer should be diluted with clean, potable water at a ratio of 1:5 for the first coat and 1:3 for the second coat.
- weberfloor primer should not be applied below +10 °C. Substrate should be surface dry with relative humidity below 70% at the working site to allow efficient drying of weberfloor primer. Insufficient drying time or poor film formation due to low temperature and / or high humidity may result in pinholes on the surface of Weber self-levelling screed.
- The consumption of weberfloor primer is about 3 – 5 m²/L for two priming coats.
- Please refer to our method statement for procedures in details.

Curing

- The relative humidity of the surrounding air should be below 70%. Good ventilation to speed up the weberfloor primer drying is recommended.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

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weberfloor 230

Thick layer, rapid hardening, fibre reinforcement, self-levelling cementitious flooring system for domestic and commercial renovation use.

weberfloor 230 is a machine or hand applied self-smoothing base designed as a smooth thick underlayment for the use on concrete floor to receive vinyl sheets, carpeting and other floor finishes. It contains polymer fibres which prevents cracks even on old substrate. It is supplied as a pre-blended dry powder designed for application at thickness between 15 – 50 mm in one operation. The product can be used as a stand-alone underlayment, with weberfloor 810 or weberfloor 860 to form a hard wearing floor surface. Under normal condition, access onto the floor is available after 2 – 3 hours. Provided that the substrate is suitably dry, the final flooring can be laid after 24 hours (for a 15 mm layer). **weberfloor 230** does not contain casein or other protein bearing additives, making it particularly suitable for the use in hospitals, food preparation areas and storage areas.

Uses

- Flooring with rapid hardening : finishing can be applied within 24 hours
- Residential and commercial flooring renovation
- Hospitals, schools, sports stadium and theatres, etc.
- Smooth underlayment to receive vinyl sheet, carpet and other finishings

Features and Benefits

HIGH QUALITY PRODUCT

- Formulated to comply with European Norm
- Rapid hardening : finishing can be applied within 24 hours and available for foot traffic after 2 hours
- Good abrasion resistance
- Very low shrinkage to prevent cracking even on old substrate
- High compressive strength
- Water resistance : can be exposed to water spillage without damage
- Chemical resistance : similar to dense concrete

EASY APPLICATION

- Single component : fixed mixing proportion, ensure the quality of work
- Suitable for hand application
- Thick application : up to 50 mm per layer
- Can receive vinyl sheet, carpet and tiling directly

ENVIRONMENTALLY FRIENDLY

- Low pH : less aggressive to floor finishing
- Casein free : environmentally friendly

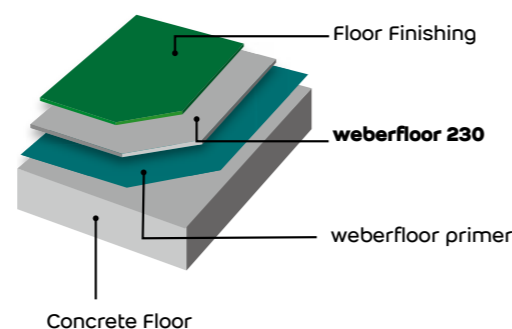
Should always be applied on primed floor (with weberfloor primer)



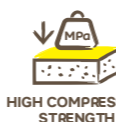
Packaging
25kg / bag

Storage life

6 months
if the product is kept in dry condition and stored in the original unopened packaging.



CONCRETE LEVELLING



HIGH COMPRESSIVE STRENGTH

* Note: The information and physical data in this catalogue is given to the best of our knowledge under standard testing method and controlled environment. The results may vary with different weather / site conditions, workmanship or substrates. This is beyond our control that we shall not be liable for any faults or consequences arising or associated with this. We suggest comprehensive tests to be conducted before final application. Unless specified, all technical data are average values with curing time of 28 days. We reserve the right to update or amend the contents in the light of new findings during the course of research and development.

Technical Data

Colour	Grey
Component	Portland cement, fast setting cement, non-reactive aggregate, graded sand, polymer fibres and other chemical additives
Max. aggregate size	4 mm
Water demand	Approx. 14 – 16% (3.5 – 4.0 L/25 KG bag)
Density	2.0 KG/L (dry) 2.2 KG/L (wet) for 14% water demand
pH value	Approx. 11
Thickness	15 – 50 mm
Time for foot traffic	2 hours
Coverage	Approx. 1.9 KG/m ² /mm
Theoretical consumption	Approx. 28.5 KG/m ² for thickness of 15 mm Approx. 0.9 m ² /25 KG bag for thickness of 15 mm

Physical Properties

Adhesion to concrete	> 1.0 N/mm ²
Compressive strength	1 day: > 6 N/mm ² 3 days: > 9 N/mm ² 7 days: > 12 N/mm ² 28 days: > 16 N/mm ²
Flexural strength	> 4 N/mm ²
Abrasion resistance	RWFC 350
Free shrinkage	0.04 – 0.06%

Procedures

Substrate Preparations

- The concrete substrate to be treated must be hard, sound and free from surface contamination.
- All dust and contaminants should be vacuum-cleaned prior to installation.
- Joints should be formed in self-levelling screed to BS8204.

Mixing and Installation

- weberfloor primer should be applied and allowed to become touch dry (3 – 4 hours under normal conditions). weberfloor primer should be diluted with clean, potable water at the ratio of 1:5 for the first coat, and after the first coat dries, 1:3 for the second coat.
- Hand application: weberfloor 230 is mixed for at least 2 minutes by means of appropriate portable mixer and only clean potable water at a rate of 14 – 16% (3.5 – 4 L) per 25 KG should be used.
- The mixed material should be used within 20 minutes, and the temperature of the material should be above +10 °C. Mix material adequately for continuous application.
- weberfloor 230 should be applied and finished by hand with a trowel or a steel spatula.
- weberfloor 230 should not be applied to substrates below +10 °C. The air temperature should be above +10 °C.
- Finishings such as vinyl sheets and carpet, or hard wearing top coating of weberfloor 810 or weberfloor 860 can be applied 24 hours after curing.
- Painting should not proceed directly on weberfloor 230. For this application, weberfloor 860 should be used.
- If hard wearing finish such as weberfloor 860 or weberfloor 810 is to be used on top, a primer coat of diluted weberfloor primer (1:3 dilution should be applied) over the weberfloor 230 enhance adhesion between layers.
- Please refer to our method statement for procedures in details.

Curing

- The relative humidity of the surrounding air should be below 70%. Light ventilation during and after laying is recommended, but dehumidifiers should not be used for the first 2 days. Curing membranes are not required.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.



weberfloor 550

Self-levelling, fast hardening, cementitious flooring system for epoxy paint and vinyl sheet coating.

weberfloor 550 is a machine or hand applied self-levelling floor surfacing system formulated from special cement, aggregates, supplementary binders and chemical additives. The product is designed as a smooth underlayment to receive epoxy coating. Under normal condition, access onto the floor is available after 2 – 3 hours. Provided that the substrate is suitably dry, the final flooring can be laid after 24 hours (for a 10 mm layer). The product is supplied as a pre-blended, dry powder designed for application at thickness of 4 – 10 mm in one operation. Normal application thickness is 6 – 10 mm. **weberfloor 550** does not contain casein or other protein bearing additives, making it particularly suitable for the use in hospitals, food preparation areas and storage areas.

Uses

- Residential and commercial flooring
- Hospitals, schools, sports stadium and theatres, etc.
- Smooth underlayment to receive vinyl sheet, carpet and other finishings

Features and Benefits

HIGH QUALITY PRODUCT

- Formulated to comply with European Norm and Chinese Standard
- Rapid hardening : available for foot traffic after 2 hours
- Good abrasion resistance
- Very low shrinkage to prevent cracking
- High compressive strength
- Water resistance : can be exposed to water spillage without damage
- Chemical resistance : similar to dense concrete

EASY APPLICATION

- Suitable for both hand and machine applications
- Fast application : up to 300 m² per hour
- Can apply vinyl sheet, carpet and tiling directly

ENVIRONMENTALLY FRIENDLY

- Low pH : less aggressive to floor finishing
- Casein free : environmentally friendly

Should be applied on primed floor (with weberfloor primer)

Complied Standards

- European Norm : EN 13813, EN 12859
- Chinese Standard : JC/T 985 Class CT-C25F8



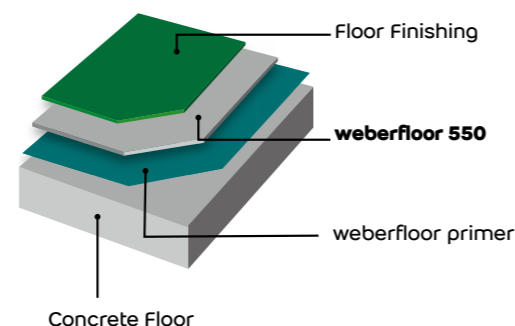
Packaging

25kg / bag

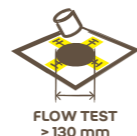
Storage life

6 months

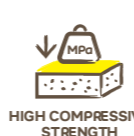
if the product is kept in dry condition and stored in the original unopened packaging.



FLOOR LEVELING PUMP



FLOW TEST > 130 mm



HIGH COMPRESSIVE STRENGTH

Technical Data

Colour	Grey
Component	Portland cement, fast setting cement, non-reactive aggregate, graded sand, polymer fibres and other chemical additives
Max. aggregate size	0.5 mm
Water demand	Approx. 20 – 22% (5 – 5.5 L/25 KG bag)
Density	1.3 KG/L (dry) 2.0 KG/L (wet) for 21% water demand
pH value	Approx. 11
Thickness	4 – 10 mm
Time for foot traffic	2 hours
Coverage	Approx. 1.7 KG/m ² /mm
Theoretical consumption	Approx. 10.2 KG/m ² for thickness of 6 mm Approx. 2.5 m ² /25 KG bag for thickness of 6 mm

Physical Properties

Adhesion to concrete	EN 13892 – 8	≥ 1.5 N/mm ²
Compressive strength	EN 13892 – 2, JC/T 985	1 day: > 13 N/mm ² 3 days: > 16 N/mm ² 7 days: > 20 N/mm ² 28 days: > 25 N/mm ²
Flexural strength	EN 13892 – 2, JC/T 985	> 7 N/mm ²
Abrasion resistance	Rolling wheel abrasion: EN 13892 – 7 (In-house)	RWFC 350
Flow ring test	EN 13813	> 130 mm
Free shrinkage	EN 13454 – 2	≤ 0.05%
pH value	EN 12859	10 – 11

Procedures

Substrate Preparations

- The concrete substrate must be hard, sound and free from surface contamination.
- All dust and contaminants should be vacuum-cleaned prior to installation.
- Joints should be formed in self-levelling screed to BS8204

Mixing and Installation

- Substrate should be firstly primed by brushing diluted weberfloor primer. For the first coat, weberfloor primer diluted with clean water at a ratio of 1:5 should be applied. Allow the first coat to become tacky and dry before applying the second coat. For the second coat, weberfloor primer diluted with clean water at a ratio of 1:3 should be applied. Wait for the second coat to become tacky and dry before applying weberfloor 550.
- Hand application: Mix a bag of dry-mixed powder (25 KG) with 20 – 22% (5 – 5.5 L) water by using an electrical mixer for 3 – 4 minutes.
- Apply weberfloor 550 on primed substrate and under working condition above +10°C. For continuous application, adequate mixing of material is necessary. weberfloor 550 can be applied by a trowel or steel spatula.
- Machine application: Adjust the flow rate of the machine until a smooth and homogenous mixture is obtained without segregation. A flow ring with volume of 35 cm³ can be applied to check the spreading of mixture, whose diameter should be equal or greater than 130mm.
- weberfloor 550 is pumped onto the surface through the discharge hose, which is moved across the substrate surface at a constant pace for screed with uniform thickness. The required thickness must be achieved in one operation. The best performance can be achieved when pouring and levelling are done in a continuous process.
- The freshly applied material can be gently trowelled with a steel spatula to dissipate lines left by the hose. The semihardened material may be formed easily or cut for any necessary adjustments.
- weberfloor 550 must be applied to substrates under working condition above +10°C.
- Finishings such as epoxy coating, vinyl sheets and carpet can be applied 24 hours after curing.
- Please refer to our method statement for procedures in details.

Curing

- The relative humidity of the surrounding air should be below 70%. Light ventilation during and after laying is recommended, but dehumidifiers should not be used for the first 2 days. Curing membranes are not required.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

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weberfloor 810

Different colours available, self-levelling, rapid hardening, cementitious flooring system for light-weight traffic, domestic and commercial use.

weberfloor 810 is a machine or hand applied self-levelling floor surfacing system. It is formulated from special light colour cement and supplementary binders, together with pigment, that provide different colours to choose from. The product contains inorganic pigment which allows long-lasting colour. It is designed as a smooth overlayment for use on concrete floor for light-weight traffic. Express setting time enables short waiting period. Under normal conditions, access onto the floor is available after 2 - 3 hours. Provided that the substrate is suitably dry, the final flooring can be laid after 24 hours (for a 10 mm layer). It is supplied as a pre-blended, dry powder designed for application at thickness between 4 - 10 mm in one operation. Normal application thickness is 6 - 10 mm. **weberfloor 810** does not contain casein or other protein bearing additives, making it particularly suitable for use in hospitals, food preparation areas and storage areas.

Uses

- Colour flooring with rapid hardening which finishing can be applied within 24 hours
- Residential and commercial flooring
- Hospitals, schools, sports stadium and theatres, etc.

- Smooth overlayment for light-weight traffic

Features and Benefits

HIGH QUALITY PRODUCT

- Formulated to comply with European Norm, British Standard and Chinese Standard
- Different colours available, long-lasting colour
- Rapid hardening : finishing can be applied within 24 hours and available for foot traffic after 2 hours
- Excellent abrasion resistance
- Very low shrinkage and fibre reinforcement to prevent cracking
- High compressive strength
- Water resistance : can be exposed to water spillage without damage
- Chemical resistance : similar to dense concrete

EASY APPLICATION

- Single component : fixed mixing proportion, ensure the quality of work
- Suitable for both hand and machine applications
- Fast application : up to 300 m² per hour
- Can apply paint, epoxy coating, vinyl sheet, carpet and tiling directly

ENVIRONMENTALLY FRIENDLY

- Low pH : less aggressive to floor finishing
- Casein free : environmentally friendly

Should be applied on primed floor (with weberfloor primer)

Complied Standards

- European Norm : EN 13813, EN 12859
- Chinese Standard : JC/T 985 Class CT-C30F8
- British Standard : BS 6319 : Part 2

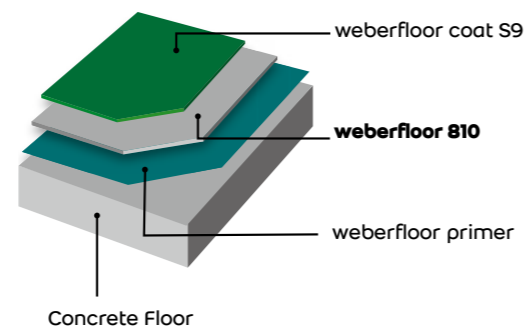


Packaging

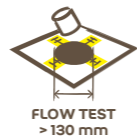
25kg / bag

Storage life

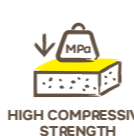
6 months
if the product is kept in dry condition and stored in the original unopened packaging.



FLOOR LEVELING PUMP



FLOW TEST > 130 mm



HIGH COMPRESSIVE STRENGTH

* Note: The information and physical data in this catalogue is given to the best of our knowledge under standard testing method and controlled environment. The results may vary with different weather / site conditions, workmanship or substrates. This is beyond our control that we shall not be liable for any faults or consequences arising or associated with this. We suggest comprehensive tests to be conducted before final application. Unless specified, all technical data are average values with curing time of 28 days. We reserve the right to update or amend the contents in the light of new findings during the course of research and development.

Technical Data

Colour (after curing)	Custom (grey, red, beige, green, blue, etc.)	
Component	Portland cement, fast setting cement, non-reactive aggregate, graded sand other chemical additives	
Max. aggregate size	0.5 mm	
Water demand	Approx. 20 - 22% (5 - 5.5 L/25 KG bag)	
Density	1.3 KG/L (dry) 2.0 KG/L (wet) for 21% water demand	
pH value	Approx. 11	
Thickness	4 - 10 mm	
Time for foot traffic	2 hours	
Coverage	Approx. 1.7 KG/m ² /mm	
Theoretical consumption	Approx. 10.2 KG/m ² for thickness of 6 mm Approx. 2.5 m ² /25 KG bag for thickness of 6 mm	

Physical Properties

Adhesion to concrete	EN 13892 - 8	≥ 1.5 N/mm ²
Compressive strength	EN 13892-2, BS 6319 : Part 2	1 day: > 15 N/mm ² 3 days: > 18 N/mm ² 7 days: > 23 N/mm ² 28 days: > 30 N/mm ²
Flexural strength	EN 13892 - 2	> 8 N/mm ²
Abrasion resistance	Rolling wheel abrasion: EN 13892 - 7 (In-house)	RWA20
Flow ring test	EN 13813, SS 92 35 19	> 130 mm
Free shrinkage	EN 13454 - 2	0.03 - 0.05%
pH value	EN 12859 : 2011	10 - 11

Procedures

Substrate Preparations

- Please refer to Substrate Preparations in weberfloor primer.

Mixing and Installation

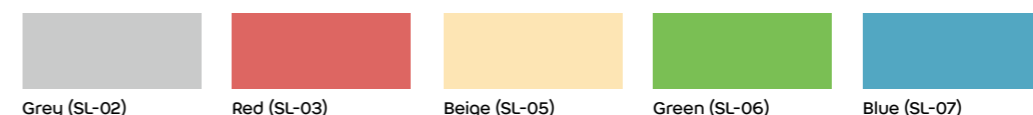
- Substrate should be firstly primed by brushing diluted weberfloor primer. For the first coat, weberfloor primer diluted with clean water at a ratio of 1:5 should be applied. Allow the first coat to become tacky and dry before applying the second coat. For the second coat, weberfloor primer diluted with clean water at a ratio of 1:3 should be applied. Wait for the second coat to become tacky and dry before applying weberfloor 810.
- Hand application: Mix a bag of dry-mixed powder (25 KG) with 20 - 22% (5 - 5.5 L) water by using an electrical mixer for 3 - 4 minutes.
- Apply weberfloor 810 on primed substrate and under working condition above +10 °C. For continuous application, adequate mixing of material is necessary. weberfloor 810 can be applied by a trowel or steel spatula.
- Machine application: Adjust the flow rate of the machine until a smooth and homogenous mixture is obtained without segregation. A flow ring with volume of 35 cm³ can be applied to check the spreading of mixture, whose diameter should be equal or greater than 130 mm.
- weberfloor 810 is pumped onto the surface through the discharge hose, which is moved across the substrate surface at a constant pace for screed with uniform thickness. The required thickness must be achieved in one operation. The best performance can be achieved when pouring and levelling are done in a continuous process.
- The freshly applied material can be gently trowelled with a steel spatula to dissipate lines left by the hose. The semihardened material may be formed easily or cut for any necessary adjustments.
- weberfloor 810 must be applied to substrates under working condition above +10°C.
- Finishings such as epoxy coating, vinyl sheets and carpet can be applied 24 hours after curing.
- Please refer to our method statement for procedures in details.

Curing

- The relative humidity of the surrounding air should be below 70%. Light ventilation during and after laying is recommended, but dehumidifiers should not be used for the first 2 days. Curing membranes are not required.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

Colour Chart



Note: Slight colour variations may exist between this colour chart and the actual product. Owing to uncontrollable pigment fading, tarnishing of printed material or paper aging, the colours in this chart may change.

weberfloor 860

Heavy duty, rapid hardening, self-levelling cementitious flooring system for industrial use.

weberfloor 860 is a machine or hand applied self-levelling floor surfacing system formulated from special cement, aggregates, supplementary binders and chemical additives. **weberfloor 860** is designed as a smooth overlayment for the use on concrete floor. Express setting time enables short waiting period. Under normal conditions, access onto the floor is available after 2 – 3 hours, light traffic available after 24 hours and full load after 7 days (for a 10 mm layer), provided that the substrate is suitably dry. It is supplied as a pre-blended, dry powder designed for application at thickness between 6 – 15 mm in one operation. Normal application thickness is 6 – 10 mm. **weberfloor 860** does not contain casein or other protein bearing additives, making it particularly suitable for the use in hospitals, food preparation areas and storage areas. In high chemical attack areas, epoxy or resin coatings can be applied to the surface to offer chemical resistance.

Uses

- Car parks, warehouse, workshops, electronic and computer factories
- Hospitals, schools, sports stadium and theatres, etc.

- Smooth hard wearing screed

Features and Benefits

HIGH QUALITY PRODUCT

- Formulated to comply with European Norm, British Standard and Chinese Standard
- Extra durability : resistant to forklift and vehicle traffic
- Rapid hardening : available for foot traffic after 2 hours and light traffic after 1 day
- Excellent abrasion resistance
- Very low shrinkage and fibre reinforcement to prevent cracking
- High compressive strength
- Water resistance : can be exposed to water spillage without damage
- Chemical resistance : similar to dense concrete

EASY APPLICATION

- Single component : fixed mixing proportion, ensure the quality of work
- Suitable for both hand and machine applications
- Fast application : up to 300 m² per hour
- Can apply paint and epoxy coating directly

ENVIRONMENTALLY FRIENDLY

- Low pH : less aggressive to floor finishing
- Casein free : environmentally friendly

Should be applied on primed floor (with weberfloor primer)

Complied Standards

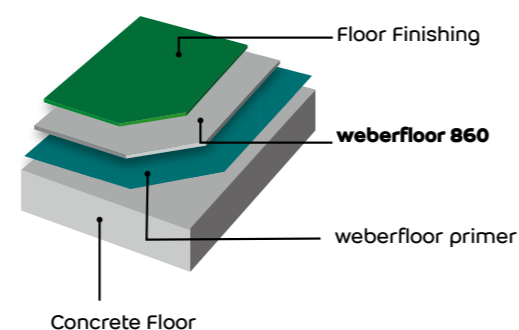
- European Norm : EN 13813, EN 12859
- British Standard : BS 8204
- Chinese Standard : JC/T 985 Class CT : C40F10



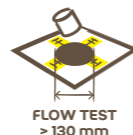
Packaging
25kg / bag

Storage life
6 months

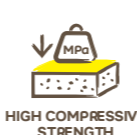
if the product is kept in dry condition and stored in the original unopened packaging.



FLOOR LEVELING PUMP



FLOW TEST > 130 mm



HIGH COMPRESSIVE STRENGTH

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Technical Data

Colour (after curing)	Grey
Component	Portland cement, fast setting cement, non-reactive aggregate, graded sand and other chemical additives
Max. aggregate size	0.5 mm
Water demand	Approx. 20 – 22% (5 – 5.5 L/25 KG bag)
Density	1.3 KG/L (dry) / 2.0 KG/L (wet) for 21% water demand
pH value	Approx. 11
Thickness	6 – 15 mm
Time for foot traffic	2 hours
Time for finishing coat	24 hours
Coverage	Approx. 1.7 KG/m ² /mm
Theoretical consumption	Approx. 10.2 KG/m ² for thickness of 6 mm / Approx. 2.5 m ² /25 KG bag for thickness of 6 mm

Physical Properties

Adhesion to concrete	EN 13892-8, BS 8204: Pt 3, SS 92 35 07	≥ 2 N/mm ²
Compressive strength	EN 13892-2, JC/T 985	1 day: > 16 N/mm ² 3 days: > 20 N/mm ² 7 days: > 25 N/mm ² 28 days: > 35 N/mm ²
Flexural strength	EN 13892-2, JC/T 985	> 9 N/mm ²
Abrasion resistance	Rolling Wheel Abrasion: EN 13892-5 (Inhouse) 2000 N and 10,000 cycles	Wear Depth ≤ 200 µm Abrasion volume = 22 cm ³ (Class RWA 20)
	BS 8204 Pt: 2 Normal condition After thermal aging	Class RWA 20 Class RWA 20
Slip resistance	BS 8204 : Pt 2 : 99 Normal condition After thermal aging	SRV(wet) ≥ 40(min) SRV(wet) ≥ 40(min)
Flow ring test	EN 13813	> 130 mm
Free shrinkage	EN 13454 – 2 ASTM C 531 Air-cured	0.03 – 0.05% 0.03 – 0.05%
pH value	EN 12859	10 – 11

Procedures

Substrate Preparations

- Please refer to Substrate Preparations in weberfloor primer.

Mixing and Installation

- Substrate should be firstly primed by brushing diluted weberfloor primer. For the first coat, weberfloor primer diluted with clean water at a ratio of 1:5 should be applied. Allow the first coat to become tacky and dry before applying the second coat. For the second coat, weberfloor primer diluted with clean water at a ratio of 1:3 should be applied. Wait for the second coat to become tacky and dry before applying weberfloor 860.
- Hand application: Mix a bag of dry-mixed powder (25 KG) with 20 – 22% (5 – 5.5 L) water by using an electrical mixer for 3 – 4 minutes.
- Apply weberfloor 860 on primed substrate and under working condition above +10 °C. For continuous application, adequate mixing of material is necessary. weberfloor 860 can be applied by a trowel or steel spatula.
- Machine application: Adjust the flow rate of the machine until a smooth and homogenous mixture is obtained without segregation. A flow ring with volume of 35 cm³ can be applied to check the spreading of mixture, whose diameter should be equal or greater than 130 mm.
- weberfloor 860 is pumped onto the surface through the discharge hose, which is moved across the substrate surface at a constant pace for screed with uniform thickness. The required thickness must be achieved in one operation. The best performance can be achieved when pouring and levelling are done in a continuous process.
- The freshly applied material can be gently trowelled with a steel spatula to dissipate lines left by the hose. The semihardened material may be formed easily or cut for any necessary adjustments.
- weberfloor 860 must be applied to substrates under working condition above +10 °C.
- Finishings such as epoxy coating, vinyl sheets and carpet can be applied 24 hours after curing.
- Please refer to our method statement for procedures in details.

Curing

- The relative humidity of the surrounding air should be below 70%. Light ventilation during and after laying is recommended, but dehumidifiers should not be used for the first 2 days. Curing membranes are not required.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.



weberfloor coat S9

Water-based acrylic silicone emulsion specially formulated to provide waterproofing, enhance abrasion resistance and chemical resistance for cement-based self-levelling flooring compounds and screeds.

weberfloor coat S9 is a water-based acrylic silicone emulsion to maximize penetration into substrate and promotes long lasting performance. The applied layer can effectively prevent water invasion into the cementitious flooring layer and increase the surface abrasion resistance of the cementitious surface. It is non-toxic, and has excellent compatibility with a wide range of substrates such as cementitious self-levelling flooring compounds and screeds.

Uses

- Provide waterproofing protection for cementitious self-levelling flooring compounds and screeds
- Enhance surface abrasion resistance

Features and Benefits

HIGH QUALITY PRODUCT

- Penetrates into the substrate for long lasting performance
- Improve surface abrasion resistance
- Non-slip
- Fast drying time
- Become transparent when cured
- Easy to use, no dilution is required
- Water-based material, non-toxic

Complied Standards

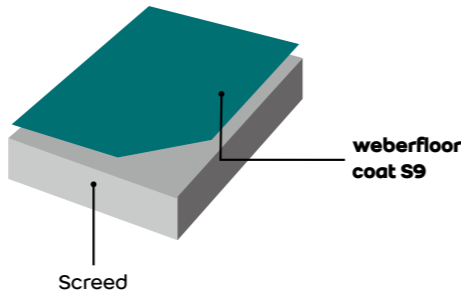
- European Norm : EN 13892-5
- American Standard : ASTM D3960-04
- British Standard : BS 1881 : Part 208



Packaging
20L / drum

Storage life

12 months
if the product is kept in dry condition and stored in the original unopened packaging.



Technical Data

Colour	White emulsion
Component	Acrylic silicone emulsion
Specific gravity	1.03 g/cm ³
pH value	8 - 9
Minimum application temperature	10°C
Drying time	1 – 2 hours
Theoretical consumption	Approx. 4.1 – 6.2 m ² /L for 2 coats Approx. 82 – 124 m ² /20L for 2 coats

Physical Properties

Initial surface water absorption (ISAT)	BS 1881 : Part 208	< 0.01 ml/m ² .s (2 hours)
Water resistance		> 85%
Dirt resistance		Resistance to ink and oil dirt
Acid resistance		Resistance to acid
Alkaline resistance		Resistance to alkaline
Water impermeability		Watertight
VOC content	ASTM D3960	< 20 g/KG

Procedures

Substrate Preparations

- Substrate should be well-cured and should not subject to shrinkage.
- The surface of substrate must be free from surface contamination.
- All dust and debris should be vacuum-cleaned from the surface.
- Substrate contaminated by oil or grease may require flame gunning and/or treatment with a proprietary degreaser.

Mixing and Installation

- weberfloor coat S9 should not be diluted with water.
- Two coats of weberfloor coat S9 should be applied to the prepared surface by using a soft brush, squeegee, roller or spray bottle. Avoid ponding, clean off excess weberfloor coat S9 and allowed it to become touch dry (1 – 2 hours under normal conditions).
- When the first coat has dried (Approx. 1 – 2 hours), apply second coat of weberfloor coat S9 using the same application method.
- weberfloor coat S9 should not be applied below 10°C. Substrate should be surface dry with relative humidity below 70% at the working site to allow efficient drying of weberfloor coat S9. Insufficient drying time due to low temperature and/or high humidity may affect the performance of weberfloor coat S9.
- Please refer to our method statement for procedures in details.

Curing

- Relative humidity at the working site should be below 70%. Ventilation to speed up the weberfloor coat S9 drying is recommended.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

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weberfloor top 260

High Strength, High Abrasion Resistance Dry Shake Floor Hardener.

weberfloor top 260 is a pre-packed dry-shake floor hardener, which uses to spread on fresh concrete slab. The product has excellent abrasion resistance, impact resistance and surface hardness. It is specially suitable for warehouse, factories, carpark as well as shopping mall, supermarket floor finishing.

Uses

- Warehouse
- Engineering Workshop
- Fabrication Workshop
- Shopping Mall and Supermarket
- Carpark
- Public Areas

Features and Benefits

- Single component: dry spread on fresh concrete and form a monolithic layer
- Good abrasion resistance
- Shrinkage compensated : reduce the chance of shrinkage cracks
- High impact resistance
- Formulated to comply with Chinese, British and European Standard
- Low cost and long life time
- Slip resistance and reduce dust

Complied Standards

- American Standard : ASTM C349; ASTM C348
- Chinese Standard : JC/T 906

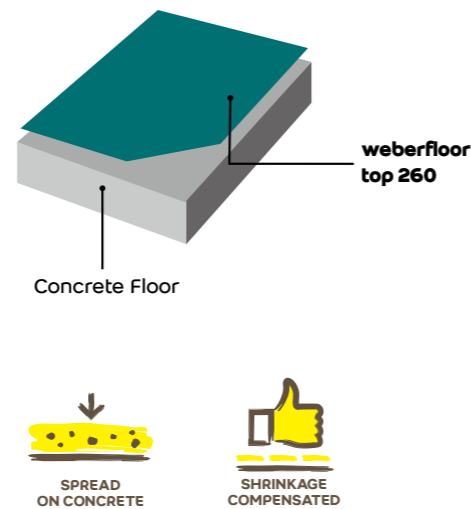


Packaging

25kg / bag

Storage life

12 months
if the product is kept in dry condition and stored in the original unopened packaging.



Technical Data

Colour	Grey or other selected colour
Component	Portland cement, hard aggregate, chemical additives and pigment
Max. aggregate size	1.0 mm
Theoretical consumption	Approx. 4-6 kg /m ²

Physical Properties

Compressive Strength	> 80 N/mm ²
Flexural strength	> 11.5 N/mm ²
Improvement in Abrasion Resistance	> 300%

Procedures

Substrate Preparations

- Concrete should be Grade 25 or higher. The slump should between 75 -110 mm.
- Water cement ratio of concrete should be kept minimal.
- Fibre should be evenly spread if required.

Installation

- After trowelling smooth, evenly spread the weberfloor top 260 on fresh concrete at 4-6 kg/m² in total in 2 times. The consumption depends on type of application. Normal traffic requires ~4 kg/m² while heavy traffic needs ~6 kg/m². Colour products require ~6 kg/m².
- When the concrete is stiffened at a point foot imprint of about 3-6 mm, spread the hardener at ~3 kg/m².
- Trowelling smooth the floor with slightly press, then immediately spread the remaining ~2 kg/m² on the floor.
- The powder should be evenly broadcast to let the powder absorb moisture on concrete.
- The floor hardened fast with weberfloor top 260. The edge and corner should be pressed hard and dense by steel trowel or electrical trowel.
- Avoid to spread the powder 2 m away, this will reduce conformity of the floor.
- Please refer to our method statement for procedures in details.

Curing

- Allow the curing similar to concrete. The surface colour may be varied because of concrete and curing conditions.

Floor temperature	+ 10°C	+ 20°C	+ 30°C
Foot traffic time	18 hours	12 hours	8 hours
Completely cured time	10 days	7 days	5 days

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

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webertec non shrink grout GP

General purpose shrinkage compensated cementitious grout.

webertec non shrink grout GP is a flowable and shrinkage compensated grout for general purpose. The product contains no chloride or other substances which could aggravate corrosion of reinforcing steel or pre-stressing steel cables. **webertec non shrink grout GP** is designed for uniform mixing, and minimising segregation and bleeding. The product can be used for anchoring. It requires only addition of water to produce an easily applied free flowing grout. It can also be applied as a trowellable or dry pack material.

Uses

- Flowable and pumpable grouting
- Filling gaps of pre-cast and pre-stressed panels
- Grouting in columns
- Filling core holes, rod holes and defects in concrete
- Fill in grout for hollow blockwalls
- Concrete anchors, rail beds and machine foundation

Features and Benefits

- Formulated to comply with Hong Kong Standard, American Standard and British Standard
- Expansion system compensates for shrinkage and settlement whilst in the plastic state
- Can be dry-packed, rammed, trowelled, poured and pumped
- High early strength and long-term durability
- Fast setting : setting time less than 7 hours
- No metallic iron content to cause staining
- Chloride free : prevent rusting of the steel and anchor bolts
- Pre-mixed and ready-to-use : requires only addition of water

Complied Standards

- Hong Kong Standard : HKHA : MTS
- American Standard :
ASTM C827 (free expansion within 24 hours), ASTM C1090 (free expansion between 3 – 28 days), ASTM C939 (flow cone method), ASTM C953 (setting time), ASTM C940 (bleeding)
- British Standard : BS 6319 : Pt 2 (compressive strength), BS 6319 : Pt 7 (bond strength), BS 1881 : Pt 124 (chloride content)

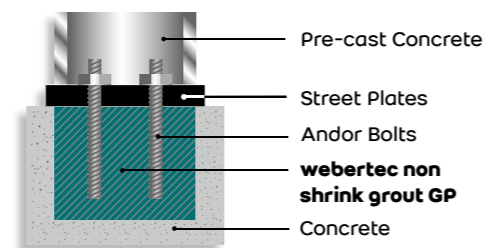


Packaging

25kg / bag

Storage life

12 months
if the product is kept in dry condition and stored in the original unopened packaging.



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Technical Data

Colour	Grey
Component	Portland cement, non-reactive aggregate, graded sand and other chemical additives
Max. aggregate size	4.0 mm
Yield	Approx. 13.5 L/25 KG bag for 19% water demand Approx. 74 bags/m ³
Density	2.2 KG/L (dry)
Pot life	Approx. 30 minutes
Thickness	20 – 150 mm
Coverage	Approx. 1.85 KG/m ² /mm

Physical Properties

	Dry pack	Plastic	Fluid
Water demand	Approx. 14 – 15% (3.5 – 3.8 L/25 KG bag)	Approx. 16 – 17% (4 – 4.3 L/25 KG bag)	Approx. 19 – 20% (4.8 – 5 L/25 KG bag)
Yield	12.5 L	13 L	13.5 L
Age	Compressive strength (BS 6319 : Pt 2, HKHA MTS Spec. Part D Cl. 2. 1. 1)		
1 day	30 N/mm ²	20 N/mm ²	15 N/mm ²
3 days	45 N/mm ²	35 N/mm ²	30 N/mm ²
7 days	55 N/mm ²	45 N/mm ²	40 N/mm ²
28 days	75 N/mm ²	70 N/mm ²	60 N/mm ²
Expansion in 24 hours	ASTM C 827	1 – 4%	
Expansion in 28 days	ASTM C 1090	0 – 0.4%	
Flow of grout	ASTM C 939	< 35 seconds at 20% water demand	
Setting time	ASTM C 953	< 7 hours	
Bleeding	ASTM C 940	No bleeding	
Bond strength (7 days)	BS 6319 : Part 7	1.5 N/mm ²	
Chloride content	BS 1881 : Pt 124	< 0.01%	
Figg air Permeability	HKHA MTS Specification Part D clause 2.1.7	> 250 seconds	

Procedures

Substrate Preparations

- The surface of substrate must be clean, sound and free from oil, grease, curing compounds or any loose materials.
- Bolts and anchor holes must be clean and free from dust or loose materials.
- It is essential to pre-soak the concrete substrate with water prior to application of webertec non shrink grout GP. Excess water should be removed prior to grouting.

Mixing and Installation

- Mix a bag of dry-mixed powder (25 KG) with appropriate amount of water (depending on the application mode) by using an electrical mixer. For flowable grout, approx. 19 – 20% (4.8 – 5 L) of water is needed for fluid mode. For trowelling grout, approx. 16 – 17% (4 – 4.3 L) of water is required for plastic mode, while approx. 14 – 15% (3.5 – 3.8 L) of water is required for dry pack mode.
- To obtain the best expansion for dry pack mode and plastic mode, 3 – 5 minutes of mixing is enough. To obtain the best flow for fluid mode, 7 – 9 minutes of mixing is needed.
- Apply webertec non shrink grout GP within 30 minutes after mixing and under working condition above +5°C.
- webertec non shrink grout GP can be applied to a thickness of 20 – 150 mm in single application, please consult our technical department for any application thickness beyond 150mm.
- Do not use mechanical vibrators to assist flowing, as this will cause segregation of product.
- Machine mixing is recommended to achieve continuous mixing and application.
- Please refer to our method statement for procedures in details.

Curing

- Upon completion of grouting, the exposed area should be covered with wet hessian or plastic sheet to prevent excessive moisture loss.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.



webertec non shrink grout S

Extra high strength, free flow, cementitious precision non-shrink grout.

webertec non shrink grout S is a high strength, pumping suitable, free flow precision nonshrink cementitious grout. The product can be used for heavy duty support and bearing. It contains no chloride or other substances, which could aggravate corrosion of reinforcing steel or pre-stressing steel cables. **webertec non shrink grout S** can also be used for heavy duty anchoring. The product can be pumped when large volume is needed. It requires only the addition of water to produce an easily applied free flowing grout. It can also be applied as a trowellable or dry pack material.

Uses

- Free flow precision grouting
- Filling gaps of pre-cast and pre-stressed panels
- Heavy duty support beneath machine base plates, bridge bearings and crane rails
- Heavy duty anchoring including bolts, starter bars and tendons in drilled holes
- Fill in grout for hollow blockwalls
- Underpinning
- Concrete anchors, rail beds and machine foundation

Features and Benefits

- Formulated to comply with Hong Kong Standard, American Standard and British Standard
- Expansion system compensates for shrinkage and settlement whilst in the plastic state
- Excellent fluidity
- Can be dry-packed, rammed, trowelled, poured and pumped
- High early strength and long-term durability
- Fast setting : setting time less than 7 hours
- No metallic iron content to cause staining
- Chloride free : prevent rusting of the steel and anchor bolts
- Pre-mixed and ready-to-use : requires only addition of water

Complied Standards

- Hong Kong Standard : HKHA : MTS
- American Standard :
ASTM C827 (free expansion within 24 hours), ASTM C939 (flow cone method), ASTM C953 (setting time), ASTM C940 (bleeding)
- British Standard : BS 6319 : Pt 2 (Compressive strength), BS 6319 : Pt 3 : 1983 (Flexural strength), BS 6319 : Pt 7 (Bond strength), BS 1881 : Pt 124 (Chloride content)

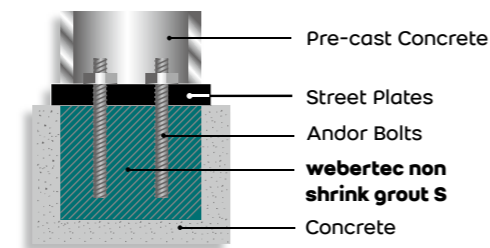


Packaging

25kg / bag

Storage life

12 months
if the product is kept in dry condition and stored in the original unopened packaging.



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Technical Data

Colour	Grey
Component	Portland cement, non-reactive aggregate, graded sand and other chemical additives
Max. aggregate size	2.0 mm
Yield	Approx. 13.5 L/25 KG bag for 19% water demand Approx. 74 bags/m ³
Density	2.2 KG/L (dry)
Pot life	Approx. 30 minutes
Thickness	10 – 150 mm
Coverage	Approx. 1.85 KG/m ² /mm

Physical Properties

	Dry pack	Plastic	Fluid
Water demand	Approx. 10 – 11% (2.5 – 2.8 L/25 KG bag)	Approx. 13 – 14% (3.3 – 3.5 L/25 KG bag)	Approx. 18 – 19% (4.5 – 4.8 L/25 KG bag)
Yield	12 L	12.5 L	13.5 L
Age	Compressive strength (BS 6319 : Pt 2, HKHA MTS Spec. Part D Cl. 2. 1. 1)		
1 day	35 N/mm ²	30 N/mm ²	25 N/mm ²
3 days	50 N/mm ²	45 N/mm ²	35 N/mm ²
7 days	75 N/mm ²	70 N/mm ²	45 N/mm ²
28 days	99 N/mm ²	95 N/mm ²	90 N/mm ²
Expansion in 24 hours	ASTM C 827	> 1%	
Flow of grout	ASTM C 939	< 35 seconds	
Setting time	ASTM C 953	< 7 hours	
Bleeding	ASTM C 940	No bleeding	
Bond strength (7 days)	BS 6319 : Part 4, HKHA MTS Spec. Part D Cl. 2. 1. 14	1.5 N/mm ²	
Flexural strength (28 days)	BS 6319 : Part 3	8.0 N/mm ²	
Chloride content	BS 1881 : Pt 124	< 0.01%	

Procedures

Substrate Preparations

- The surface of substrate must be clean, sound and free from oil, grease, curing compounds or any loose materials.
- Bolts and anchor holes must be clean and free from dust or loose materials.
- It is essential to pre-soak the concrete substrate with water prior to application of webertec non shrink grout S. Excess water should be removed prior to grouting.

Mixing and Installation

- Mix a bag of dry-mixed powder (25 KG) with appropriate amount of water (depending on the application mode) by using an electrical mixer. For flowable grout, approx. 18 – 19% (4.5 – 4.8 L) of water is needed for fluid mode. For trowelling grout, approx. 13 – 14% (3.3 – 3.5 L) of water is required for plastic mode, while approx. 10 – 11% (2.5 – 2.8 L) of water is required for dry pack mode.
- To obtain the best expansion for dry pack mode and plastic mode, 3 – 5 minutes of mixing is enough. To obtain the best flow for fluid mode, 7 – 9 minutes of mixing is needed.
- Apply webertec non shrink grout S within 30 minutes after mixing and under working condition above +5°C.
- webertec non shrink grout S can be applied with a thickness of 10 – 150 mm in single application, please consult our technical department for any application thickness beyond 150mm.
- Do not use mechanical vibrators to assist flowing, as this will cause segregation of product.
- Machine mixing is recommended to achieve continuous mixing and application.
- Please refer to our method statement for procedures in details.

Curing

- Upon completion of grouting, the exposed area should be covered with wet hessian or plastic sheet to prevent excessive moisture loss.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.



webertec non shrink grout CE

Ultra-high strength, aggregate free, excellent flow cementitious grout for underpinning.

webertec non shrink grout CE is an aggregate free grout with very high flow non-shrink cementitious grout. It has ultra-high strength that can also be used for heavy duty underpinning and anchoring. **webertec non shrink grout CE** contains no chloride or other substances, which could aggravate corrosion of reinforcing steel or pre-stressing steel cables. The product can be supplied in bulk volume and pumped when large volume is needed. It requires only the addition of water to produce an easy-to-apply and free flowing grout.

Uses

- Underpinning grouting
- Free flow precision cement grouting
- Heavy duty support beneath machine base plates, bridge bearings and crane rails
- Heavy duty anchoring including bolts, starter bars and tendons in drilled holes
- Fill in grout for hollow blockwalls and ducts
- Concrete anchors, rail beds and machine foundation

Features and Benefits

- Expansion system compensates for shrinkage
- Excellent fluidity : suitable for pumping and injection
- High early strength and long-term durability
- No metallic iron content to cause staining
- Chloride free : prevent rusting of the steel and anchor bolts
- Pre-mixed and ready-to-use : requires only addition of water

Complied Standards

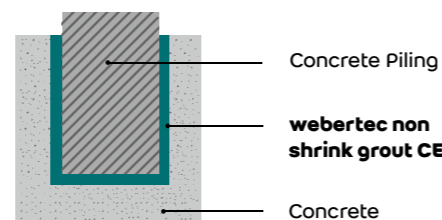
- American Standard : ASTM C939 (flow cone method), ASTM C953 (setting time)
- British Standard :
BS 6319 : Pt 3 (Flexural strength), BS 6319 :Pt4 (Bond strength), BS 1881 : Pt 124 (Chloride content)



Packaging
25kg / bag

Storage life
12 months

if the product is kept in dry condition and stored in the original unopened packaging.



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Technical Data

Colour	Grey
Component	Portland cement, expansive chemicals and other chemical additives
Yield	Approx. 17 L/25 KG bag for 36% water demand Approx. 59 bags/m ³
Density	1.0 KG/L (dry)
Pot life	Approx. 30 minutes
Coverage	Approx. 1.5 KG/m ² /mm

Physical Properties

	Fluid
Water demand	Approx. 36 – 40% (9 – 10 L/25 KG bag)
Yield	17 L
Age	Compressive strength (BS 6319 : Pt 2)
1 day	> 20 N/mm ²
3 days	> 35 N/mm ²
7 days	> 45 N/mm ²
28 days	> 66 N/mm ²
Expansion in 24 hours	> 0.4%
Flow of grout	ASTM C 939 < 30 seconds
Setting time	ASTM C 953 < 7 hours
Bleeding	No bleeding
Bond strength (7 days)	BS 6319 : Part 4 HKHA MTS Spec. Part D Cl. 2. 1. 14 > 1.0 N/mm ²
Flexural strength (28 days)	BS 6319 : Part 3 > 6.0 N/mm ²
Chloride content	BS 1881 : Pt 124 < 0.01%

Procedures

Substrate Preparations

- The substrate surface must be clean, sound and free from oil, grease, curing compounds or any loose materials.
- Bolts and anchor holes must be clean and free from dust or loose materials.
- It is essential to pre-soak the concrete substrate prior to application of webertec non shrink grout CE.
- Excess water should be removed prior to grouting.

Mixing and Installation

- Mix a bag of dry-mixed powder (25 KG) with approx. 36 – 40% (9 – 10 L) of water.
- Only use a controlled amount of fresh clean water.
- To obtain an optimum result, 3 – 5 minutes of mixing by electrical mixer with high shear stirrer is required.
- Machine mixing is recommended to achieve continuous mixing and application.
- It is essential that the ambient temperature to be above +5°C, and grouting to be applied within 30 minutes of mixing.
- Do not use mechanical vibrators to assist flowing, as this will cause segregation of product.
- Please refer to our method statement for procedures in details.

Curing

- Upon completion of grouting, the exposed area should be covered with wet hessian or plastic sheet to prevent excessive moisture loss.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.



webertec non shrink grout UW

Extra high strength, rapid hardening, cementitious and non shrink grout for underwater installations.

webertec non shrink grout UW is a high strength, rapid hardening and free flow non-shrink cementitious grout suitable for pumping. It is specially designed for underwater installations with high converging power, which offers a promising and special performance for underwater constructions. **webertec non shrink grout UW** can be pumped when it is applied in large scale or volume.

Uses

- Underwater or tidal zones
- Underpinning and heavy duty support beneath dams, bridge columns and concrete pillars
- Direct application in seawater and freshwater areas
- Free flow cement grouting
- Fill in grout for hollow blockwalls

Features and Benefits

- Formulated to comply with American Standard and British Standard
- Setting and cured underwater with high converging power
- Excellent fluidity : suitable for pumping
- Displaces water effectively
- High compressive strength : > 60 MPa
- Expansion system compensates for shrinkage
- High flow characteristic and suitable for pump application
- Fast setting : setting time less than 2 hours at +25°C
- Chloride free : prevent rusting of the steel and anchor bolts
- Pre-mixed and ready-to-use : requires only addition of water

Complied Standards

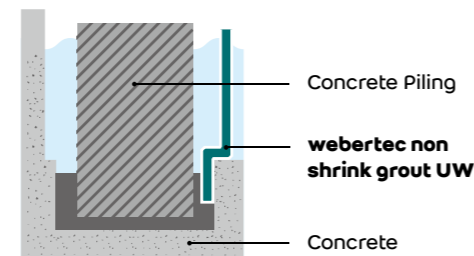
- American Standard :
ASTM C 827 (free expansion within 24 hours), ASTM C 1090 (free expansion between 3 – 28 days), ASTM C 940 (bleeding)
- British Standard :
BS 6319 : Pt 2 (compressive strength), BS 6319 : Pt 3 (flexural strength), BS 1881 : Pt 124 (chloride content)



Packaging
25kg / bag

Storage life
12 months

if the product is kept in dry condition and stored in the original unopened packaging.



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Technical Data

Colour	Grey
Component	Portland cement, expansive agent, non-reactive aggregate, graded sand and other chemical additives
Max. aggregate size	2.0 mm
Yield	Approx. 14 L/25 KG bag for 19% water demand Approx. 71 bags/m ³
Density	2.2 KG/L (dry)
Pot life	Approx. 20 minutes
Thickness	10 – 500 mm
Coverage	Approx. 1.8 KG/m ² /mm

Physical Properties

Water demand	Approx. 19 – 26% (4.8 – 6.5 L/25 KG bag)	
Yield	14 L	
Age	Compressive strength (BS 6319 : Pt 2)	
	Curing under fresh water	Curing under sea water
1 day	> 12 N/mm ²	> 10 N/mm ²
3 days	> 30 N/mm ²	> 25 N/mm ²
7 days	> 45 N/mm ²	> 40 N/mm ²
28 days	> 60 N/mm ²	> 55 N/mm ²
Expansion in 24 hours	ASTM C 827	> 0.3%
Expansion in 28 hours	ASTM C 1090	Expansion
Bleeding	ASTM C 940	No bleeding
Flexural strength (28 days)	BS 6319 : Part 3	> 8.0 N/mm ²

Procedures

Substrate Preparations

- The substrate surface must be clean, sound and free from oil, grease, curing compounds or any loose materials.
- Bolts and anchor holes must be clean and free from dust or loose materials.

Mixing and Installation

- Mix a bag of dry-mixed powder (25 KG) with approx. 19 – 26% (4.8 – 6.5 L) of clean fresh water by using an electrical mixer for 3 – 5 minutes.
- For continuous or large volume installations, machine mixing is recommended for rapid and consecutive material mixing and supply.
- Apply the grout within 20 minutes after mixing to gain the full benefit of the expansion process.
- webertec non shrink grout UW can be applied with a thickness of 10 – 500 mm in single application.
- Do not use mechanical vibrators to assist flowing, as this will cause segregation of product.
- Please refer to our method statement for procedures in details.

Curing

- For underwater grouting applications, curing is not required

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.



weberep polymer modified mortar

General purpose polymer modified cementitious mortar for patching, rendering and spalling in interior and exterior conditions.

weberep polymer modified mortar is a high quality polymer modified cement-based mortar for patching and repairing of concrete. It has enhanced adhesion strength and compressive strength. The **weberep polymer modified mortar** can be applied up to 40 mm thick in one layer for vertical locations and 30 mm for overhead locations.

Uses

- Patch repair of concrete
- Repair of spalling
- Reinstatement of large areas of concrete
- General rendering

Features and Benefits

- Formulated to comply with Hong Kong Standard and British Standard
- Can be applied up to 40 mm in one layer
- Can be applied by trowel or gloved hand
- Single component : fixed mixing proportion, ensure the quality of work
- Shrinkage compensated : reduce the chance of shrinkage cracks
- High compression strength, high adhesive strength
- Durable: can be used in traffic area
- No chloride content

Complied Standards

- Hong Kong Standard : HKHA MTS Spec. Part D, Cl. 2. 1.1 - 2.1.7, TM1 - TM7
- British Standard : TM1 - TM5 are based on BS 6319

Technical Data

Colour	Grey
Component	Portland cement, non-reactive aggregate, reinforcement fibre, graded sand, polymer powder and other chemical additives
Max. aggregate size	4.5 mm
Water demand	Approx. 15 - 17% (6 - 6.8 L/40 KG bag)
Density	1.6 KG/L (dry) 2 KG/L (wet) for 16% water demand
Pot life	Approx. 1 hour
Thickness	15 - 40 mm
Coverage	Approx. 1.75 KG/m ² /mm (approx. 23 L yield per 40 KG bag)
Theoretical consumption	Approx. 26 KG/m ² for thickness of 15 mm Approx. 1.5 m ² /40 KG bag for thickness of 15 mm

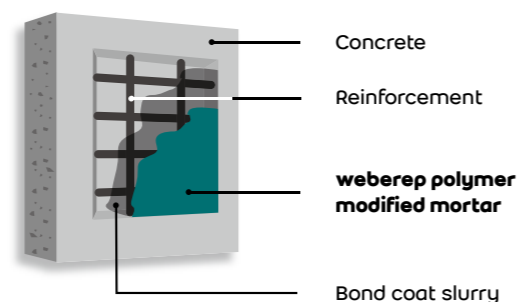


Packaging

40kg / bag

Storage life

12 months
if the product is kept in dry condition and stored in the original unopened packaging.



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Physical Properties

TM 1	Compressive strength	7 days 28 days	34 N/mm ² 43 N/mm ²
TM 2	Flexural strength	7 days 28 days	6.9 N/mm ² 9.3 N/mm ²
TM 3	Tensile strength	7 days 28 days	2.9 N/mm ² 4.2 N/mm ²
TM 4	Elastic modulus		16.9 kN/mm ²
TM 5	Bond strength	7 days 28 days	2.2 N/mm ² 3.3 N/mm ²
TM 6	Shrinkage	Coutinho Ring	no cracks observed
TM 7	Figg air permeability		800 seconds
Initial Surface Absorption Test (ISAT)		BS 1881 : Part 5	< 0.003 ml/m ² /sec (120 minutes)

Above physical data are taken on laboratory tests. In situ material performance may vary according to environmental & workmanship conditions beyond manufacturer control. Unless specified, all technical data are average values and refer to curing time of 28 days.

Procedures

Substrate Preparations

- Concrete substrates must be clean, structurally sound, free from contamination, loose particles, grease, lacquer, plastics or traces of foreign materials, and protrusions such as wood peels, nails, excess mortar or any joints with tolerance that cannot be covered by the thickness of render.
- The edges of the repair area should be saw cut with a minimum depth of 10 mm, and the minimum depth of repair area should be 10 mm from the concrete surface. For better adhesion, repair area with depth of 15 mm is recommended.
- Smooth surface should be scratched to form a rough surface for mechanical key.
- Honey combing must be hacked off to expose the sound concrete.
- Reinforcement should be cleaned and rust should be completely removed.

Mixing and Installation

- Before application, dampen the concrete surface with clean water and allow excess water to drain away.
- Prepare the bond coat slurry by mixing webertec bond coat or webertec EVA with Ordinary Portland Cement (OPC) at a ratio of 1:1 (by weight). Stir the mixture thoroughly by using an electrical mixer until a wet and sticky slurry coat is obtained.
- Bond coat slurry can be applied by brushing on the concrete surface. Subsequent installation of mortar should be applied on wet and sticky slurry coat.
- For steel reinforcement, a layer of bond coat slurry can be applied by brushing on the exposed steel surface. Allow it to dry before the next installation. A new coat of bond coat slurry should be applied again before subsequent installation of mortar.
- Mix a bag of dry-mixed powder (40 KG) with approx. 15 - 17% (6 - 6.8 L) by using an electrical mixer for 3 - 7 minutes.
- Apply the weberep polymer modified mortar while bond coat slurry is still wet and sticky.
- If the slurry coat dries, it must be thoroughly re-applied.
- The mixture of weberep polymer modified mortar must be used within 1 hour.
- For application on all surfaces, weberep polymer modified mortar must be well-compacted to the primed substrate by trowelling or gloved hand. Exposed reinforcement should be completely encapsulated by the mortar.
- Finish the surface with steel, plastic or wood float, or by a damp sponge to achieve the required surface texture. The completed surface should not be overworked.
- Please refer to our method statement for procedures in details.

Curing

- Water mists is preferred but not always necessary for interior application. However, water mist is required under the extreme hot or dry weather condition.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.



weberep patchbond 25

Medium strength, lightweight, class 25 polymer modified cementitious mortar for patching and repairing of concrete.

weberep patchbond 25 is a high quality Class 25 polymer modified cement-based mortar for patching and repairing of concrete. It is light weight mortar with enhanced adhesion strength and compressive strength. **weberep patchbond 25** can be applied 40 – 60 mm thick in one layer for vertical locations and 40 mm for overhead locations.

Uses

- Patch repair of concrete, especially for overhead locations or old concrete
- Repair of honey comb
- Repair of spalling
- Reinstatement of large areas of concrete

Features and Benefits

- Formulated to comply with Hong Kong Standard and British Standard
- Can be applied up to 60 mm in one layer
- Can be applied by trowel or gloved hand
- Easy to be applied at overhead locations
- Single component : fixed mixing proportion, ensure the quality of work
- Shrinkage compensated : reduce the chance of shrinkage cracks
- Lightweight, medium compression strength, high adhesive strength
- No chloride content

Complied Standards

- Hong Kong Standard : HKHA MTS Spec. Part D, Cl. 2. 1. 1 – 2. 1. 7
- British Standard : TM1 – TM5 are based on BS 6319

Technical Data

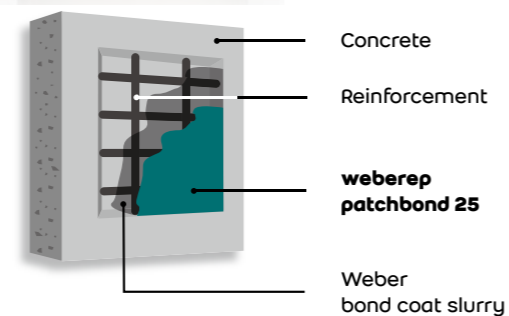
Colour	Grey
Component	Portland cement, non-reactive light weight aggregate, reinforcement fibre, graded sand, polymer powder and other chemical additives
Max. aggregate size	2.0 mm
Water demand	For gloved hand application: Approx. 17% (3.4 L/20 KG bag) For trowelling mode: Approx. 21% (4.2 L/20 KG bag)
Density	0.9 KG/L (dry) 1.4 KG/L (wet) for 16% water demand
Pot life	Approx. 1 hour
Thickness	10 – 60 mm
Coverage	Approx. 1.18 KG/m ² /mm (approx. 17 L yield per 20 KG bag)
Theoretical consumption	Approx. 17.7 KG/m ² for thickness of 15 mm Approx. 1.1 m ² /20 KG bag for thickness of 15 mm



Packaging
20kg / bag

Storage life

12 months
if the product is kept in dry condition and stored in the original unopened packaging.



Physical Properties

TM 1	Compressive strength	28 days	> 25 N/mm ²
TM 2	Tensile strength	7 days 28 days	> 1.5 N/mm ² > 2.0 N/mm ²
TM 3	Elastic modulus		9 – 15 kN/mm ²
TM 4	Bond strength	7 days	> 1.5 N/mm ²
TM 5	Shrinkage	Coutinho Ring	no cracks observed
TM 6	Figg air permeability		> 300 seconds

Above physical data are taken on laboratory tests. In situ material performance may vary according to environmental & workmanship conditions beyond manufacturer control. Unless specified, all technical data are average values and refer to curing time of 28 days.

Procedures

Substrate Preparations

- Concrete substrates must be clean, structurally sound, free from contamination, loose particles, grease, lacquer, plastics or traces of foreign materials, and protrusions such as wood peels, nails, excess mortar or any joints with tolerance that cannot be covered by the thickness of render.
- The edges of the repair area should be saw cut with a minimum depth of 10 mm, and the minimum depth of repair area should be 10 mm from the concrete surface. For better adhesion, repair area with depth of 15 mm is recommended.
- Smooth surface should be scratched to form a rough surface for mechanical key.
- Honey combing must be hacked off to expose the sound concrete.
- Reinforcement should be cleaned and rust should be completely removed.

Mixing and Installation

- Before application, dampen the concrete surface with clean water and allow excess water to drain away.
- Prepare the bond coat slurry by mixing webertec bond coat or webertec EVA with Ordinary Portland Cement (OPC) at a ratio of 1:1 (by weight). Stir the mixture thoroughly by using an electrical mixer until a wet and sticky slurry coat is obtained.
- For steel reinforcement, a layer of bond coat slurry can be applied by brushing on the exposed steel surface. Allow it to dry before the next installation. A new coat of bond coat slurry should be applied again before subsequent installation of mortar.
- Mix a bag of dry-mixed powder (20 KG) with appropriate amount of water (depending on the application mode) by using an electrical mixer for 3 – 5 minutes. For gloved hand application, add approx. 17% (3.4 L) of water; for trowelling mode, add approx. 21% (4.2 L) of water.
- Apply weberep patchbond 25 while the bond coat slurry is still wet and sticky.
- If the slurry coat dries, it must be thoroughly re-applied.
- The mixture of weberep patchbond 25 in the pot must be used within 1 hour.
- For application on all surfaces, weberep patchbond 25 must be well compacted to the primed substrate by trowelling or gloved hand. Exposed reinforcement should be completely encapsulated by the mortar.
- Finish the surface with steel, plastic or wood float, or by a damp sponge to achieve the required surface texture. The completed surface should not be overworked.
- Please refer to our method statement for procedures in details.

Curing

- Water mists is preferred but not always necessary for interior application. However, water mist is required under the extreme hot or dry weather condition.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

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weberep patchbond 40

High strength, medium weight, class 40 polymer modified cementitious mortar for patching and repairing of concrete.

weberep patchbond 40 is a high quality Class 40 polymer modified cement-based mortar for patching and repairing of concrete. It is medium weight mortar with enhanced adhesion strength and compressive strength. **weberep patchbond 40** can be applied 40 mm thick in one layer for vertical locations and 30 mm for overhead locations.

Uses

- Patch repair of concrete
- Repair of honey comb
- Repair of spalling
- Reinstatement of large areas of concrete

Features and Benefits

- Formulated to comply with Hong Kong Standard and British Standard
- Can be applied up to 40mm in one layer
- Can be applied by trowel or gloved hand
- Single component : fixed mixing proportion, ensure the quality of work
- Shrinkage compensated : reduce the chance of shrinkage cracks
- Medium weight, high compression strength, high adhesive strength
- Durable: can be used in traffic area
- No chloride content
- Pre-mixed and ready-to-use : requires only addition of water

Complied Standards

- Hong Kong Standard : HKHA MTS Spec. Part D, Cl. 2. 1.1 – 2.1.7
- British Standard : TM1 – TM5 are based on BS 6319

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

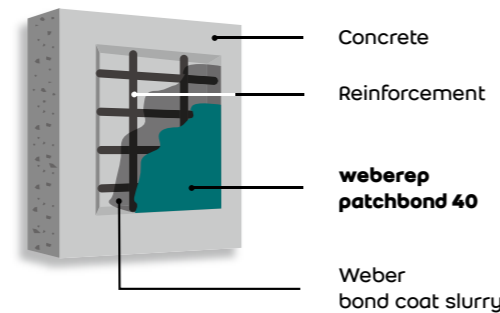
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Packaging
25kg / bag

Storage life
12 months

if the product is kept in dry condition and stored in the original unopened packaging.



Technical Data

Colour	Grey
Component	Portland cement, non-reactive aggregate, reinforcement fibre, graded sand, polymer powder and other chemical additives
Max. aggregate size	2.0 mm
Water demand	For gloved hand application: Approx. 16% (4 L/25 KG bag) For trowelling mode: Approx. 20% (5 L/25 KG bag)
Density	1.1 KG/L (dry) 1.8 KG/L (wet) for 18% water demand
Pot life	Approx. 1 hour
Thickness	10 – 40 mm
Coverage	Approx. 1.53 KG/m ² /mm (approx. 16 L yield per 25 KG bag)
Theoretical consumption	Approx. 23 KG/m ² for thickness of 15 mm Approx. 1.1 m ² /25 KG bag for thickness of 15 mm

Physical Properties

TM 1	Compressive strength	28 days	> 40 N/mm ²
TM 2	Tensile strength	7 days 28 days	> 2 N/mm ² > 3 N/mm ²
TM 3	Elastic modulus		15 – 25 kN/mm ²
TM 4	Bond strength	7 days	> 2 N/mm ²
TM 5	Shrinkage	Coutinho Ring	no cracks observed
TM 6	Figg air permeability		> 500 seconds

Above physical data are taken on laboratory tests. In situ material performance may vary according to environmental & workmanship conditions beyond manufacturer control. Unless specified, all technical data are average values and refer to curing time of 28 days.

Procedures

Substrate Preparations

- Concrete substrates must be clean, structurally sound, free from contamination, loose particles, grease, lacquer, plastics or traces of foreign materials, and protrusions such as wood peels, nails, excess mortar or any joints with tolerance that cannot be covered by the thickness of render.
- The edges of the repair area should be saw cut with a minimum depth of 10 mm, and the minimum depth of repair area should be 10mm from the concrete surface. For better adhesion, repair area with depth of 15mm is recommended.
- Smooth surface should be scratched to form a rough surface for mechanical key.
- Honey combing must be hacked off to expose the sound concrete.
- Reinforcement should be cleaned and rust should be completely removed.

Mixing and Installation

- Before application, dampen the concrete surface with clean water and allow excess water to drain away.
 - Prepare the bond coat slurry by mixing webertec bond coat or webertec EVA with Ordinary Portland Cement (OPC) at a ratio of 1:1 (by weight). Stir the mixture thoroughly by using an electrical mixer until a wet and sticky slurry coat is obtained.
 - For steel reinforcement, a layer of bond coat slurry can be applied by brushing on the exposed steel surface. Allow it to dry before the next installation. A new coat of bond coat slurry should be applied again before subsequent installation of mortar.
 - Mix a bag of dry-mixed powder (25 KG) with appropriate amount of water (depending on the application mode) by using an electrical mixer for 3 – 5 minutes. For gloved hand application, add approx. 16% (4 L) of water; for trowelling mode, add approx. 20% (5 L) of water.
 - Apply weberep patchbond 40 while the bond coat slurry is still wet and sticky.
 - If the slurry coat dries, it must be thoroughly re-applied.
 - The mixture of weberep patchbond 40 in the pot must be used within 1 hour.
 - For application on all surfaces, weberep patchbond 40 must be well compacted to the primed substrate by trowelling or gloved hand. Exposed reinforcement should be completely encapsulated by the mortar.
 - Finish the surface with steel, plastic or wood float, or by a damp sponge to achieve the required surface texture. The completed surface should not be overworked.
 - Please refer to our method statement for procedures in details.
- #### Curing
- Water mist is preferred but not always necessary for interior application. However, water mist is required under extremely hot or dry condition.



weberep rapifast HY

Ultra-rapid setting high strength concrete repair for roads and floors.

weberep rapifast HY is a polymer modified mortar with rapid strength development for concrete repairing. It is formulated to provide high early strength materials for patching and repairing concrete and masonry surfaces. **weberep rapifast HY** develops high compressive strength within few hours, and allows bearing loading with minimum down time.

Uses

- Repair of highways, roads, car park driveways and ramps
- Repair of manholes and potholes setting
- Repair of industrial floor decks, loading bays, bridge decks and expansion joints
- Pavements and floor screeds
- Other uses which minimising repair time is of prime importance

Features and Benefits

- Formulated to comply with Hong Kong Standard and British Standard
- Can be applied up to 100mm in one layer
- Rapid development of compression strength : > 20 MPa in 2 hours
- Single component : fixed mixing proportion, easy to handle for repair works
- Shrinkage compensated : reduce the chance of shrinkage cracks
- Monolithic bond adhesion and compatible to parent concrete
- Self-compacted : avoid honeycombing and voids
- Durable : can be used in interior and exterior areas
- Pourable and highly workable
- Conventional concreting or plastering techniques required
- Chloride free

Technical Data

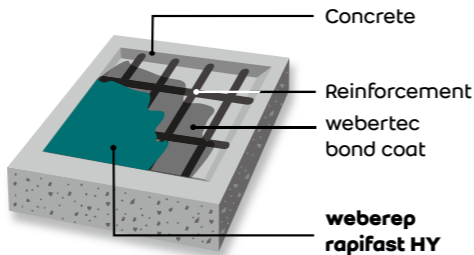
Colour	Grey (similar to concrete)
Component	Portland cement, fast setting cement, reinforcement fibre, non-reactive aggregate, graded sand, polymer powder and other chemical additives
Max. aggregate size	4.5 mm
Water demand	Approx. 14 – 16% (3.5 – 4.0 L/25 KG bag)
Density	1.6 KG/L (dry); 2.2 KG/L (wet) for 15% water demand
Pot life	Approx. 10 – 15 minutes, depending on the temperature and humidity
Initial setting time	Approx. 20 minutes, depending on the temperature and humidity
Thickness	6 – 100 mm
Coverage	Approx. 1.88 KG/m ² /mm
Theoretical consumption	Approx. 75 bags/m ³
Extra aggregate	For thickness > 25 mm, max. 40% of 5 – 10 mm aggregate can be added



Packaging
25kg / bag

Storage life

9 months
if the product is kept in dry condition and stored in the original unopened packaging.



Complied Standards

- Hong Kong Standard : HKHA MTS Spec. Part D, Cl. 2. 1. 1 – 2. 1. 7
- British Standard : BS 6319

Physical Properties

Compressive strength	BS 6319			
	- 2 hours	21 N/mm ²	- 7 days	55 N/mm ²
	- 3 hours	30 N/mm ²	- 28 days	63 N/mm ²
	- 1 day	40 N/mm ²		
Bond strength	BS 6319 HKHA MTS spec. Part D, Cl. 2. 1. 15		1.0 N/mm ²	
Shrinkage	Coutinho Ring HKHA MTS Spec. Part D, Cl. 2. 1. 6		no cracks observed	
Coefficient of thermal expansion at 25 °C	15.5 x 10 ⁻⁶ /K			
Slant shear bond strength	BS 6319			
	- 7 days		28 MPa	
	- 28 days		33 MPa	

Above physical data are taken on laboratory tests. In situ material performance may vary according to environmental & workmanship conditions beyond manufacturer control. Unless specified, all technical data are average values and refer to curing time of 28 days.

Procedures

Substrate Preparations

- Concrete substrates must be clean and structurally sound, free from contamination, loose particles, dirt, grease, oil, sealers, curing compounds and laitance, etc.
- Any exposed reinforcement should be cleaned and free of rust or corrosion.
- Before application, dampen the concrete surface with clean water and allow excess water to drain away.
- To patch irregular cracks and holes, it is highly recommended to cut the repairing area into regular shape.

Priming

- Before application, dampen the concrete surface with clean water and allow excess water to drain away.
- Prepare the bond coat slurry by mixing webertec bond coat or webertec EVA with Ordinary Portland Cement (OPC) at a ratio of 1:1 (by weight). Stir the mixture thoroughly by using an electrical mixer until a wet and sticky slurry coat is obtained.
- Bond coat slurry can be applied by brushing on the concrete surface. Subsequent installation of mortar should be applied on wet and sticky slurry coat.
- For steel reinforcement, a layer of bond coat slurry can be applied by brushing on the exposed steel surface. Allow it to dry before the next installation. A new coat of bond coat slurry should be applied again before subsequent installation of mortar.

Mixing and Installation

- weberep rapifast HY is formulated for easy and simple mixing and application, using conventional concreting or plastering techniques.
- Fast applying is essential for installation of weberep rapifast HY. It is a fast setting mortar, and preferable to be mixed adjacent to the repair area.
- Mix a bag of dry-mixed powder (25 KG) with approx. 14 – 16% (3.5 – 4.0 L) of water by using an electrical mixer for 3 – 5 minutes.
- Mix thoroughly until the material is homogeneous and in the desired workability, weberep rapifast HY can be installed.
- Apply weberep rapifast HY on the slurry coat while the slurry coat is still wet and sticky.
- If the slurry coat dries, it must be thoroughly re-applied.
- Mix an appropriate amount of material, which can be applied within 15 minutes.
- weberep rapifast HY can be applied in one layer with maximum thickness of 100 mm.
- Repair area should be perfectly casted with weberep rapifast HY in one time. Otherwise, it should be applied in successive layers with maximum thickness of 100 mm.
- Finish the surface by using steel, plastic, wood float, or damp sponge, to achieve the required surface texture. The completed surface should not be overworked.
- When the material starts to set, do not re-mix or re-temper, as this will weaken the desired strength of the product.
- Please refer to our method statement for procedures in details.

Curing

- weberep rapifast HY can be cured with wet hessian, polyethylene or spray-on curing compound.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

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weberep rapifast CS

Rapid hardening, flowable, high strength waterproofing floor screed.

weberep rapifast CS is a fast hardening floor screed. It is formulated to provide high early strength and final strength with low shrinkage. The application thickness can reach 100 mm. **weberep rapifast CS** is made from fast hardening cement, anti-shrinkage agent and waterproofing additives, which will develop high compressive strength within few hours, and allow bearing loading with minimum down time. The product is flowable that enhances the application speed of large area screeding. **weberep rapifast CS** is waterproofing, which is suitable for using in kitchen and bathroom renovations.

Uses

- Kitchen and bathroom renovations
- Fast hardening floor screed and concrete repair
- Large area floor screed installation
- Waterproofing screed application

Features and Benefits

- Formulated to comply with Hong Kong Standard and British Standard
- Waterproofing screeding
- Rapid hardening : screed hardened in 1 hour, reduce disturbance to users
- Single component : fixed mixing proportion, ensure the quality of work
- Shrinkage compensated : reduce the chance of shrinkage cracks for thick layer and large area floor screeding
- High fluidity : enhance large area screeding application speed
- Monolithic bond adhesion and compatible to parent concrete
- Self-compacted : avoid honeycombing and voids
- Durable : can be used in interior and exterior areas.
- Pourable and highly workable
- Non-toxic : environmentally friendly
- Chloride free

Technical Data

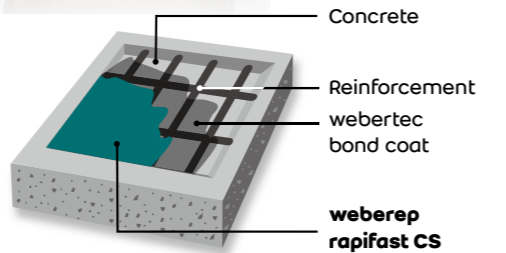
Colour	Grey (similar to concrete)
Component	Portland cement, fast setting cement, reinforcement fibre, non-reactive aggregate, graded sand, polymer powder and other chemical additives
Max. aggregate size	4.5 mm
Water demand	Approx. 11 – 15% (2.7 – 3.7 L/25 KG bag)
Density	2.1 KG/L (wet) for 13% water demand
Pot life	Approx. 10 – 15 minutes, depending on the temperature and humidity
Initial setting time	Approx. 30 minutes, depending on the temperature and humidity
Thickness	6 – 100 mm
Coverage	Approx. 1.8 KG/m ² /mm
Extra aggregate	For thickness > 25 mm, max. 50% of 5 – 10 mm aggregate can be added



Packaging
25kg / bag

Storage life
9 months

if the product is kept in dry condition and stored in the original unopened packaging.



RAPID HARDENING



CONCRETE LEVELLING



SHRINKAGE COMPENSATED

Complied Standards

- Hong Kong Standard : HKHA MTS Spec. Part D, Cl. 2. 1. 6 and Cl. 2. 1. 14
- American Standard : USEPA method 24
- British Standard : BS 6319 Part 2 and Part 4, BS 1881 Part 5

Physical Properties

Compressive strength	BS 6319			
	- 2 hours - 1 day	6 N/mm ² 20 N/mm ²	- 7 days - 28 days	30 N/mm ² > 40 N/mm ²
Bond strength	HKHA MTS spec. Part D, Cl. 2. 1. 14		> 1.0 N/mm ²	
Shrinkage	Coutinho Ring HKHA MTS Spec. Part D, Cl. 2. 1. 6		no cracks observed	
Initial Surface Absorption Test (ISAT)	-120 minutes		< 0.015 ml/m ² /sec	
Moisture content	Residual moisture after 24 hours		< 2 %	
VOC content	USEPA Method 24		< 10 g/L	

Above physical data are taken on laboratory tests. In situ material performance may vary according to environmental & workmanship conditions beyond manufacturer control. Unless specified, all technical data are average values and refer to curing time of 28 days.

Procedures

Substrate Preparations

- Concrete substrates must be clean and structurally sound, free from contamination, loose particles, dirt, grease, oil, sealers, curing compounds and laitance, etc.
- Any exposed reinforcement should be cleaned and free of rust or corrosion.
- Before application, dampen the concrete surface with clean water and allow excess water to drain away.
- To patch irregular cracks and holes, it is highly recommended to cut the repairing area into regular shape.

Priming

- Before application, dampen the concrete surface with clean water and allow excess water to drain away.
- Prepare the bond coat slurry by mixing webertec EVA or webertec bond coat with Ordinary Portland Cement (OPC) at a ratio of 1:1 (by weight). Stir the mixture thoroughly by using an electrical mixer until a wet and sticky slurry coat is obtained.
- Bond coat slurry can be applied by brushing on the concrete surface. Subsequent installation of mortar should be applied on wet and sticky slurry coat.
- For steel reinforcement, a layer of bond coat slurry can be applied by brushing on the exposed steel surface. Allow it to dry before the next installation. A new coat of bond coat slurry should be applied again before subsequent installation of mortar.

Mixing and Installation

- weberep rapifast CS is formulated for easy and simple mixing and application, using conventional concreting or plastering techniques.
- Fast application is essential for installation of weberep rapifast CS. It is a fast setting mortar, and preferable to be mixed adjacent to the repair area.
- Mix a bag of dry-mixed powder (25 KG) with approx. 11 – 15% (2.7 – 3.7 L) of water by using an electrical mixer for 3 – 5 minutes.
- Mix thoroughly until the material is homogeneous and in the desired workability, weberep rapifast CS can be installed.
- If necessary, add maximal 50% aggregate and mix completely.
- Apply weberep rapifast CS on the slurry coat while the slurry coat is still wet and sticky.
- If the slurry coat dries, it must be thoroughly re-applied.
- Mix an appropriate amount of material, which can be applied within 15 minutes.
- weberep rapifast CS can be applied in one layer with maximum thickness of 100 mm.
- Finish the surface by using steel, plastic, wood float, or damp sponge, to achieve the required surface texture. The completed surface should not be overworked.
- When the material starts to set, do not re-mix or re-temper, as this will weaken the desired strength of the product.
- Finishing such as tiling work, self-levelling screed or coating can be applied after 1 day.
- Please refer to our method statement for procedures in details.

Curing

- weberep rapifast CS can be cured with wet hessian, polyethylene or spray-on curing compound.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

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weberep rapifast CSR

Rapid hardening, high strength waterproofing render and floor screed mortar

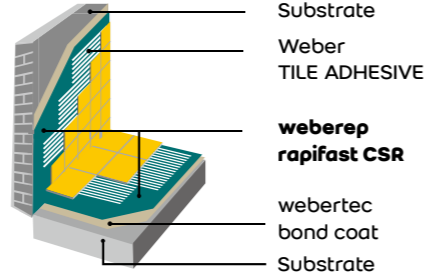
weberep rapifast CSR is a fast hardening mortar for both wall rendering and floor screed application. It is formulated to provide high early strength and final strength with low shrinkage. The application thickness can reach 30 mm for wall rendering and 100 mm for floor screeding. The product is made from fast hardening cement, anti-shrinkage agent and waterproofing additives, which will develop high compressive strength within few hours, and allow bearing loading with minimum down time. The product is highly workable which enhances the application and smoothing process. **weberep rapifast CSR** is waterproofing that is suitable for us in kitchen and bathroom renovations.



Packaging
25kg / bag

Storage life
9 months

if the product is kept in dry condition and stored in the original unopened packaging.



Complied Standards

- Hong Kong Standard : HKHA MTS Spec. Part D,CI.2.1.6, HKHA MTS Spec. Part D,CI.2.1.14
- American Standard : USEPA method 24
- British Standard : BS 6319 Part 2 and Part 4, BS 1881 Part 5

Uses

- Kitchen and bathroom renovations
- Fast hardening wall rendering, floor screed and concrete repair
- Waterproofing screed application

Features and Benefits

- Formulated to comply with Hong Kong Standard and British Standard
- Waterproofing render and screed
- Rapid hardening : screed hardened in 1 hour, reduce disturbance to users
- Single component : fixed mixing proportion, ensure the quality of work
- Single product for wall and floor levelling
- Shrinkage compensated : reduce the chance of shrinkage cracks for thick layer application
- Enhanced bond adhesion and compatible to parent concrete
- Durable : can be used in interior and exterior areas
- Pourable and highly workable
- Non-toxic : environmentally friendly
- No chloride content

Technical Data

Colour	Grey (similar to concrete)
Component	Portland cement, fast setting cement, reinforcement fibre, non-reactive aggregate, graded sand, polymer powder and other chemical additives
Max. aggregate size	4.5 mm
Water demand	Approx. 13 – 16% (3.2 – 4.0 L/25 KG bag)
Density	2.0 KG/L (wet) for 13% water demand
Pot life	Approx. 10 – 15 minutes, depending on the temperature and humidity
Initial setting time	Approx. 30 minutes, depending on the temperature and humidity
Thickness	Wall rendering application: max. 30 mm for 1 coat Floor screeding application: max. 100 mm for 1 coat
Coverage	Approx. 1.7 KG/m ² /mm
Extra aggregate	Wall rendering application: no extra aggregate allowed Screeding application: for thickness > 25 mm, max. 50% of 5 – 10 mm aggregate can be added

Physical Properties

Compressive strength	BS 6319 : Part 2			
	- 2 hours	> 5 N/mm ²	- 7 days	> 25 N/mm ²
	- 1 day	> 15 N/mm ²	- 28 days	> 30 N/mm ²
Bond strength	HKHA MTS spec. Part D, Cl. 2. 1. 14		> 1.5 N/mm ²	
Shrinkage	Coutinho Ring HKHA MTS Spec. Part D, Cl. 2. 1. 6		no cracks observed	
Initial Surface Absorption Test (ISAT)	-120 minutes		< 0.015 ml/m ² /sec	
Moisture content	Residual moisture after 24 hours		< 2 %	
VOC content	USEPA Method 24		< 10 g/L	

Above physical data are taken on laboratory tests. In situ material performance may vary according to environmental & workmanship conditions beyond manufacturer control. Unless specified, all technical data are average values and refer to curing time of 28 days.

Procedures

Substrate Preparations

- Concrete substrates must be clean and structurally sound, free from contamination, loose particles, dirt, grease, oil, sealers, curing compounds and laitance, etc.
- Any exposed reinforcement should be cleaned and free of rust or corrosion.
- Before application, dampen the concrete surface with clean water and allow excess water to drain away.
- To patch irregular cracks and holes, it is highly recommended to cut the repairing area into regular shape.

Priming

- Before application, dampen the concrete surface with clean water and allow excess water to drain away.
- Prepare the bond coat slurry by mixing webertec bond coat or webertec EVA with Ordinary Portland Cement (OPC) at a ratio of 1:1 (by weight). Stir the mixture thoroughly by using an electrical mixer until a wet and sticky slurry coat is obtained.
- Bond coat slurry can be applied by brushing on the concrete surface. Subsequent installation of mortar should be applied on wet and sticky slurry coat.
- For steel reinforcement, a layer of bond coat slurry can be applied by brushing on the exposed steel surface. Allow it to dry before the next installation. A new coat of bond coat slurry should be applied again before subsequent installation of mortar.

Mixing and Installation

- weberep rapifast CSR is formulated for easy and simple mixing and application, using conventional concreting or plastering techniques.
- Fast application is essential for installation of weberep rapifast CSR. It is a fast setting mortar, and preferable to be mixed adjacent to the repair area.
- Mix a bag of dry-mixed powder (25 KG) with approx. 13 – 16% (3.2 – 4.0 L) of water by using an electrical mixer for 3 – 5 minutes.
- Mix thoroughly until the material is homogeneous and in the desired workability, weberep rapifast CSR can be installed.
- For floor application, add maximal 50% aggregate and mix completely if necessary.
- Apply weberep rapifast CSR on the slurry coat while the slurry coat is still wet and sticky.
- If the slurry coat dries, it must be thoroughly re-applied.
- Mix an appropriate amount of material, which can be applied within 15 minutes.
- weberep rapifast CSR can be applied in one layer with maximum thickness of 30 mm for wall and 100 mm for floor application.
- Finish the surface by using steel, plastic, wood float, or damp sponge, to achieve the required surface texture. The completed surface should not be overworked.
- When the material starts to set, do not re-mix or re-temper, as this will weaken the desired strength of the product.
- Finishing such as tiling work, self-levelling screed or coating can be applied after 1 day.
- Please refer to our method statement for procedures in details.

Curing

- weberep rapifast CSR can be cured with wet hessian, polyethylene or spray-on curing compound.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

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weberep rapifast thin

Rapid hardening smoothing coat with high compressive and adhesive strength.

weberep rapifast thin is a thin layer of rapid setting surface smoothing product. It hardens in 1 – 1.5 hours with high compressive and adhesive strength. The product can be applied in thickness of 0 – 10 mm. It is used to make levelling and gradient levelling layer, as well as horizontal and vertical repairs for floors, walls or stairs. It allows forming ramps and coves, cracks filling, and surface covers in few hours.

Uses

- Rapid setting floor surface smoothing
- Make levelling and gradient levelling layer
- Allow surface cover in few hours
- Horizontal and vertical repairs for floor, wall or stairs
- Form ramps and coves
- Fill cracks

Features and Benefits

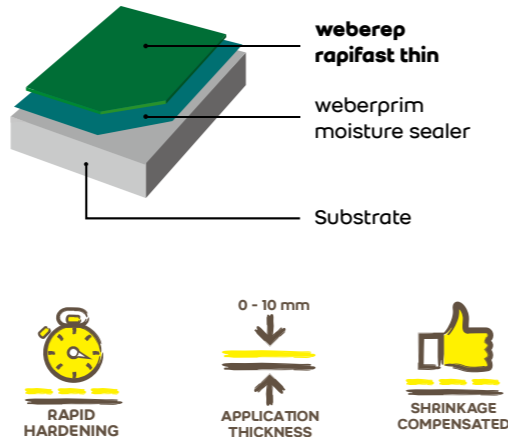
- Rapid hardening: hardened in 1 – 1.5 hours, reduce disturbance to users
- High fluidity: reduce application time
- Application thickness: 0 – 10 mm
- High compressive and adhesive strength
- Single component: fixed mixing proportion, easy to handle for repair works
- Shrinkage compensated: reduce the chance of shrinkage cracks
- Monolithic bond adhesion and compatible to parent concrete
- Durable: can be used in interior and exterior areas.
- Non-toxic: environmentally friendly
- Chloride free



Packaging
10kg / bag

Storage life
6 months

if the product is kept in dry condition and stored in the original unopened packaging.



Technical Data

Colour	Grey (similar to concrete)
Component	Portland cement, fast setting cement, non-reactive aggregate, inert fillers, polymer powder and other chemical additives
MWater demand	Approx. 26 – 30% (2.6 – 3.0 L/10 KG bag)
Density	1.1 KG/L (wet) for 28% water demand
Pot life	Approx. 30 minutes, depending on the temperature and humidity
Initial setting time	Approx. 40 – 60 minutes, depending on the temperature and humidity
Thickness	0 – 10 mm
Coverage	Approx. 1.15 KG/m ² /mm

Physical Properties

Compressive strength	- 1 day - 28 days	17 N/mm ² 27 N/mm ²
Bond strength		> 1.0 N/mm ²
Shrinkage		no cracks found
VOC content		< 5 g/KG

Above physical data are taken on laboratory tests. In situ material performance may vary according to environmental & workmanship conditions beyond manufacturer control. Unless specified, all technical data are average values and refer to curing time of 28 days.

Procedures

Substrate Preparations

- Substrates must be clean and structurally sound, free from contamination, loose particles, dirt, grease, oil, sealers, curing compounds and laitance, etc.

Priming

- weberprim moisture sealer should be applied to the prepared surface by using a soft brush.

Mixing and Installation

- weberep rapifast thin is formulated for easy and simple mixing and application, using conventional concreting or plastering techniques.
- Mix a bag of dry-mixed powder (10 KG) with approx. 26 – 30% (2.6 – 3.0 L) of water by using an electrical mixer for 3 – 5 minutes.
- Mix thoroughly until the material is homogeneous and in the desired workability, weberep rapifast thin must be applied within 30 minutes.
- weberep rapifast thin can be applied in one layer from feather edge to 10 mm.
- Apply weberep rapifast thin by trowelling mode to the desired thickness. Make ramps or levelling according to the site requirements.
- Please refer to our method statement for procedures in details.

Curing

- Water mists is preferred but not always necessary for interior application. However, water mist is required under the extreme hot or dry weather condition.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

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weberdry window grout

Single component waterproof cementitious mortar for window frame grouting and different waterproofing patching.

weberdry window grout is a high quality waterproof cementitious mortar specially designed for window frame grouting. The product is a single component, which only requires the addition of water. It is easy-to-apply with high durability. It is suitable for different waterproofing patchings.

Uses

- Fill up window frame gaps with width of 10 – 70 mm
- Patching with waterproofing ability

Features and Benefits

- Formulated to comply with Hong Kong Standard, American Standard and Chinese Standard
- Highly water resistant : provide optimum protection to substrate
- Good bonding to concrete and window frame
- Single component : fixed mixing proportion, ensure the quality of work
- Shrinkage compensated : reduce the chance of shrinkage cracks
- Chloride free

Complied Standards

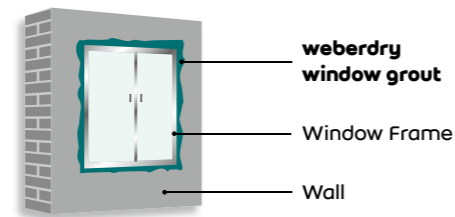
- Hong Kong Standard : HKHA MTS Spec. Part D, Cl. 2. 1. 1, Cl. 2. 1. 6 and Cl 2. 1. 8
- American Standard : ANSI A118.6
- Chinese Standard : GB/T25181



Packaging
40kg / bag

Storage life
12 months

if the product is kept in dry condition and stored in the original unopened packaging.



Technical Data

Colour	Grey
Component	Portland cement, non-reactive aggregate, graded sand, waterproofing and other chemical additives
Max. aggregate size	4.0 mm
Water demand	Approx. 14 – 16% (5.6 – 6.4 L/40 KG bag)
Density	1.7 KG/L (dry) 1.85 KG/L (wet) for 15% water demand
Yield	Approx. 25 L/40 KG bag
Pot life	Approx. 1 hour
Thickness	10 – 70 mm
Coverage	Approx. 1.6 KG/m ² /mm
Theoretical consumption	Approx. 2.24 KG/m for thickness of 20 mm and width of 70 mm Approx. 178 m/40 KG bag for thickness of 20 mm and width of 70 mm

Physical Properties

Compressive strength	HKHA MTS Spec. Part D, Cl. 2.1.1	18 N/mm ²
Water penetration		0.65 mm
Shrinkage	Coutinho ring, HKHA MTS Spec. Part D, Cl. 2.1.6	no cracks observed

Above physical data are taken on laboratory tests. In situ material performance may vary according to environmental & workmanship conditions beyond manufacturer control. Unless specified, all technical data are average values and refer to curing time of 28 days.

Procedures

Substrate Preparations

- Concrete substrate must be clean, structurally sound, free from contamination, loose particles, grease, lacquer, plastics or traces of foreign materials, or protrusions such as wood peels, nails, excess mortar or any joints with tolerance that cannot be covered by the thickness of the mortar or grout.
- Window frame should be clean and free from contamination.

Mixing and Installation

- Before application, dampen the concrete surface with clean water and allow excess water to drain away.
- Prepare the bond coat slurry by mixing webertec bond coat or webertec EVA with Ordinary Portland Cement (OPC) at a ratio of 1:1 (by weight). Stir the mixture thoroughly by using an electrical mixer until a wet and sticky slurry coat is obtained.
- Bond coat slurry can be applied by brushing on both concrete surface and metal window frame.
- Installation of weberdry window grout should be applied on wet and sticky bond coat slurry.
- If the slurry coat dries, it must be thoroughly re-applied.
- Mix a bag of dry-mixed powder (40 KG) with approx. 14 – 16% (5.6 – 6.4 L) of water using an electrical mixer for 3 – 7 minutes.
- weberdry window grout can be applied by using a trowel or gloved hand to compact a maximum amount of grout into the window frame gap.
- The weberdry window grout is ready to receive skim coat after 4 days.
- Please refer to our method statement for procedures in details.

Curing

- Water mists is preferred but not always necessary for interior application. However, water mist is required under the extreme hot or dry weather condition.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

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webertec ACE

A low-viscosity, specially blended acrylic copolymer emulsion with excellent penetrating properties.

webertec ACE is an acrylic copolymer emulsion with excellent penetrating properties that can seal fine hairline cracks in concrete, granolithic, mosaic and terrazzo floors, also suit for consolidating hollow floor screeds and wall rendering.

Uses

- Sealing hairline cracks in reinforced concrete
- Sealing cracks in horizontal surfaces such as granolithic, mosaic and terrazzo floors
- Consolidating hollow floor screeds
- Sealing cracks in vertical surfaces
- Re-bonding renders

Features and Benefits

- Ready to use - no mixing required
- Good flexibility
- Excellent bond strength
- Exceptional penetrating properties
- Can be poured into cracks with minimal assistance

Technical Data

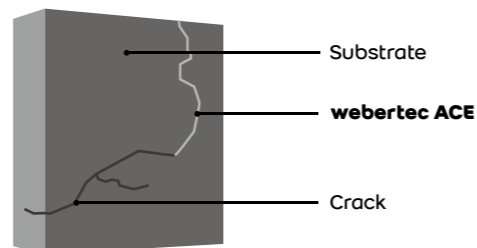
Minimum film forming temperature	0°C
Viscosity (BS 3900:Pt 6)	Brookfield #2 100RPM - 22.8
Adhesion to concrete	1 N/mm ²
Tensile strength	1.5 N/mm ²
Elongation	500%



Packaging
20L / drum

Storage life
12 months

if the product is kept in dry condition and stored in the original unopened packaging.



Procedures

- Cracks and crazed areas should be brushed to remove loose dirt etc. If the area is wet and greasy it is unlikely that good results will be obtained.

Sealing cracks on horizontal surfaces

- Fine hairline cracks and crazed areas are best treated by isolating the areas with dams formed from putty, mastic or similar materials.

Consolidating hollow floors

- If there are no obvious cracks, the best results will be achieved by drilling holes through the screed taking care to remove the dust created and forming wells around the holes to ease application.

Sealing cracks in vertical surfaces

- Form small cups or wells at short intervals along the length of horizontal cracks with putty, mastic or similar material. Vertical cracks will normally require a cup at the top of the crack, but for long lengths, additional cups may be required.
- For sealing the remainder of the crack, self-adhesive tape is ideally suited on smooth, dry surfaces, but on roughcast or brickwork, the tape will not be effective and a suitable mastic, sealant or potters clay is recommended.

Applications

- webertec ACE is water-based. It should only be applied to dry surfaces otherwise it will not set. The water content in the product must dry out, either through the surroundings or evaporate.
- For simplicity, apply webertec ACE into the crack with a squeeze bottle whenever possible. Top up the cups and ponded areas and do not allow to dry out until treatment is complete. Very rapid penetration of the webertec ACE is a sign that it is escaping. If the leak cannot be traced apply webertec ACE gradually at 30-minute intervals or longer, which will normally seal the crack. Continue applying webertec ACE until no further penetration occurs. To ensure that the areas are effectively sealed, repeat the treatment after 24 hours.
- Due to its highly penetrative properties, webertec ACE can be used to seal very fine cracks. If the crack or gap is too large, set may not take place and the sealer may form a reservoir of liquid. In general terms, cracks or gaps should not exceed 2 mm.
- Do not use on cold surfaces where the temperature is less than 5°C

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

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webertec bond coat

Styrene Butadiene Rubber (SBR) latex admixture for use with cement as a bond coat slurry for plastering and screeding purposes.

webertec bond coat is a high performance liquid latex admixture formulated to mix with Ordinary Portland Cement (OPC) as bond coat slurry which promotes adhesion of renders, plasters and floor screeds to building surfaces. The alkaline environment of bond coat slurry can protect embedded steel reinforcement. **webertec bond coat** can be used to enhance adhesion strength of cement sand mortar and spatterdash.

Uses

- Mix with cement as bond coat slurry to promote the adhesion of renders, plasters and floor screeds
- As a protection slurry for steel reinforcement
- Enhance the adhesion strength of mortar and spatterdash

Features and Benefits

- As a mortar modifier to enhance the adhesion and cohesion strength of render and screed
- Improve the cohesion strength of mortar
- Excellent bonding to concrete, masonry and panel walls
- Chloride free

Complied Standards

- Hong Kong Standard : HKHA MTS Spec. Part D, Cl. 2. 1. 1, 2. 1. 2, 2. 1. 15
- British Standard : BS 6319

Technical Data

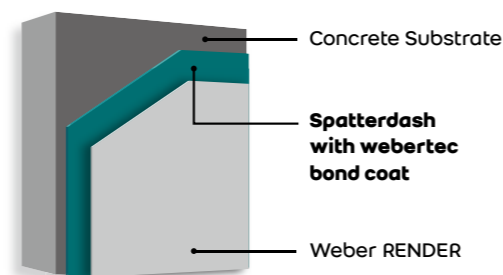
Colour	White emulsion
Component	Styrene Butadiene Rubber (SBR) emulsion
Specific gravity	1.02 g/cm ³
pH value	Approx. 8 – 9
Minimum application temperature	5 °C



Packaging
20L / drum

Storage life

12 months
if the product is kept in dry condition and stored in the original unopened packaging.



Physical Properties

	Bond coat slurry / steel protection slurry	Spatterdash (extra strength)	Repair mortar
Bond coat slurry	50 KG	10 KG	9 KG
Cement	50 KG	50 KG	50 KG
Sand	-	100 KG	125 KG
Water*	-	15 - 30 KG	9 KG
Consumption of webertec bond coat	0.17 - 0.2 L/m ²	0.06 - 0.15 L/m ^{2**}	1.3 - 3.4 L/m ²
Coverage	5 - 6 m ² /L	6 - 17 m ² /L	0.3 - 0.8 m ² /L
Adhesion to concrete	2.5 N/mm ²	≥ 2.0 N/mm ²	≥ 2.0 N/mm ²
Compressive strength	-	≥ 30 N/mm ²	≥ 30 N/mm ²
Flexural strength	-	≥ 6 N/mm ²	≥ 6 N/mm ²

Above physical data are taken on laboratory tests. In situ material performance may vary according to environmental & workmanship conditions beyond manufacturer control. Unless specified, all technical data are average values and refer to curing time of 28 days.

* Adjustment of water demand is necessary for different moisture contents and qualities of sand.

** Spatterdash consumption may vary highly depending on spreading pattern.

Procedures

Substrate Preparations

- The concrete substrate should be clean, structurally sound, adequately true and level to achieve specified tolerances, free from contamination, loose particles and any foreign materials which may affect the material's bonding to the substrate.
- Before application, dampen the concrete surface with clean water and allow excess water to drain away.

Installation of Bond Coat Slurry

- Prepare the bond coat slurry by mixing webertec bond coat with Ordinary Portland Cement (OPC) at a ratio of 1:1 (by weight). Stir the mixture thoroughly by using an electrical mixer until a homogeneous slurry is obtained.
- For installation of bond coat slurry, a layer of slurry coat can be applied by brushing on the concrete surface. Subsequent installation of mortar should be applied on wet and sticky slurry coat.
- For steel reinforcement, a layer of bond coat slurry can be applied by brushing on the exposed steel surface, and allows it to dry before next installation. A new coat of bond coat slurry should be applied again before subsequent installation of mortar.
- When the bond coat slurry turns dry, apply another fresh layer. Do not apply mortar on dried bond coat slurry.

Installation of Spatterdash

- Prepare the spatterdash by mixing webertec bond coat with OPC, sand and water at a ratio of 1 : 5 : 10 : 1.5 * (by weight). Stir the mixture thoroughly by using an electrical mixer until a homogeneous slurry is obtained.
- Spatterdash can be achieved by simply spreading on concrete substrate dampened with water.

Installation of Repair Mortar

- Prepare the repair mortar by mixing webertec bond coat with OPC, sand and water at a ratio of 1 : 5.6 : 14 : 1 (by weight). Stir the mixture thoroughly by using an electrical mixer.
- Apply repair mortar while the surface of substrate is still damped with bond coat slurry.
- Please refer to our method statement for procedures in details.

Curing

- Water curing is necessary for spatterdash on the first 2 days.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

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webertec EVA

Ethylene vinyl acetate liquid admixture for use with cement as a concrete surface enhancer for plastering and screeding purposes.

webertec EVA is a high performance ethylene vinyl acetate liquid admixture formulated to mix with Ordinary Portland Cement (OPC) as concrete surface modifier which promotes adhesion of renders, plasters and floor screeds to building surfaces. The polymer does not contain aromatic group which prevents the chance for sunlight and heat break down. The **webertec EVA** is highly suitable for exterior use. It can be used to enhance adhesion strength of cement sand mortar and spatterdash.

Uses

- Mix with cement as concrete surface modifier to promote the adhesion of renders, plasters and floor screeds
- As a protection slurry for steel reinforcement
- Enhance the adhesion strength of mortar and spatterdash

Features and Benefits

- As a surface modifier to enhance the adhesion of render and screed
- Improve the cohesion strength of the mortar
- Excellent bonding to concrete, masonry and panel walls
- Chloride free

Complied Standards

- Hong Kong Standard : HKHA MTS Spec. Part D, Cl. 2. 1. 1, 2. 1. 2, 2. 1. 15
- British Standard : BS 6319

Technical Data

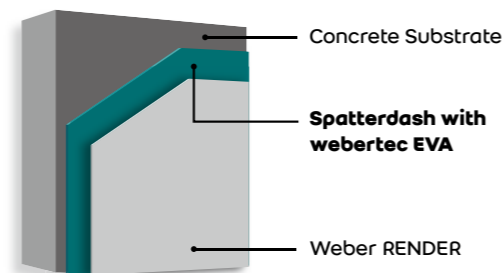
Colour	White emulsion
Component	Ethylene Vinyl Acetate emulsion
Specific gravity	1.02 g/cm ³
pH value	Approx. 4 – 5
Minimum application temperature	5 °C



Packaging
20L / drum

Storage life
12 months

if the product is kept in dry condition and stored in the original unopened packaging.



Physical Properties

	Bond coat slurry / steel protection slurry	Spatterdash
Bond coat slurry	50 KG	10 KG
Cement	50 KG	50 KG
Sand	-	100 KG
Water*	-	15 – 30 KG
Consumption of webertec EVA	0.17 – 0.2 L/m ²	0.06 – 0.12 L/m ² **
Coverage	5 – 6 m ² /L	7 – 17 m ² /L
Adhesion to concrete	≥ 2 N/mm ²	> 2 N/mm ²
Compressive strength	≥ 30 N/mm ²	> 30 N/mm ²
Flexural strength (BS6319)	≥ 6 N/mm ²	≥ 6 N/mm ²

Above physical data are taken on laboratory tests. In situ material performance may vary according to environmental & workmanship conditions beyond manufacturer control. Unless specified, all technical data are average values and refer to curing time of 28 days.

* Adjustment of water demand is necessary for different moisture contents and qualities of sand.

** Spatterdash consumption may vary highly depending on spreading pattern.

Procedures

Substrate Preparations

- The concrete substrate should be clean, structurally sound, adequately true and level to achieve specified tolerances, free from contamination, loose particles and any foreign materials which may affect the material's bonding to the substrate.
- Before application, dampen the concrete surface with clean water and allow excess water to drain away.

Installation of Bond Coat Slurry

- Prepare the bond coat slurry by mixing webertec EVA with Ordinary Portland Cement (OPC) at a ratio of 1:1 (by weight). Stir the mixture thoroughly by using an electrical mixer until a grey homogeneous slurry is obtained.
- For installation of bond coat slurry, a layer of slurry coat can be applied by brushing on the concrete surface. Subsequent installation of mortar should be applied on wet and sticky slurry coat.
- For steel reinforcement, a layer of bond coat slurry can be applied by brushing on the exposed steel surface, and allows it to dry before next installation. A new coat of bond coat slurry should be applied again before subsequent installation of mortar.
- When the bond coat slurry turns dry, apply another fresh layer. Do not apply mortar on dried bond coat slurry.

Installation of Spatterdash

- Prepare the spatterdash by mixing webertec EVA with OPC, sand and water at a ratio of 1 : 5 : 1 0 : 1 - 3 * (by weight). Stir the mixture thoroughly by using an electrical mixer until a homogeneous slurry is obtained.
- Spatterdash can be achieved by simply spreading on concrete substrate dampened with water.
- Please refer to our method statement for procedures in details.

Curing

- Water curing is necessary for spatterdash on the first 2 days.

* Adjustment of water demand is necessary upon the condition of sand on site

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

* Note: The information and physical data in this catalogue is given to the best of our knowledge under standard testing method and controlled environment. The results may vary with different weather / site conditions, workmanship or substrates. This is beyond our control that we shall not be liable for any faults or consequences arising or associated with this. We suggest comprehensive tests to be conducted before final application. Unless specified, all technical data are average values with curing time of 28 days. We reserve the right to update or amend the contents in the light of new findings during the course of research and development.



weberprim moisture sealer

Effective moisture barrier for bathrooms, wet interiors and high waterabsorption substrates.

weberprim moisture sealer is a greenish dispersion which is used as a moisture sealing layer before tiling on wall / floor in wet areas like bathroom and kitchen. Suitable substrates include concrete, cement-based plaster, lightweight panel and wooden block surface. However, it should not be used as an admixture to mix with cement-based products.

Uses

- Moisture sealing layer before tiling on wall / floor in wet areas like bathroom, wet interiors and high water-absorption substrates

Features and Benefits

- Effective moisture barrier for bathrooms and wet interiors and high waterabsorption substrates

Procedures

Substrate Preparations

- The substrate should be clean, dry and free of dust prior to the application of two coats of weberprim moisture sealer.

Procedures

- Apply the first sealing coat onto the substrate surface with a brush or roller. The second sealing coat should be applied after the first sealing coat gets dried. The drying time for the first coat is about 1 - 2 hours, depending on the substrate and ambient conditions during application. The drying time for the second coat is about 4 hours before receiving tiles. Weber TILE ADHESIVE and TILE GROUT series products or other polymer modified cementitious tile adhesive is recommended for tiling.

Consumption

- For absorbent surface, the consumption is approx. 0.3 L/m² in two coats; for non-absorbent surface, the consumption is approx. 0.15 L/m² in two coats.
- Please refer to our method statement for procedures in details.

Comparison

	Moisture Vapour Transmission Rate (MVTR)*
weberprim moisture sealer	Approx. 3 – 10 g/m ² /day
Alkyds and modified alkyds	Approx. 100 – 250 g/m ² /day
Styrene – acrylic copolymers	Approx. 1000 g/m ² /day
Styrene – butadiene copolymers	Approx. 1,100 – 1,900 g/m ² /day
Acrylic copolymers	Approx. 1,200 – 2,500 g/m ² /day

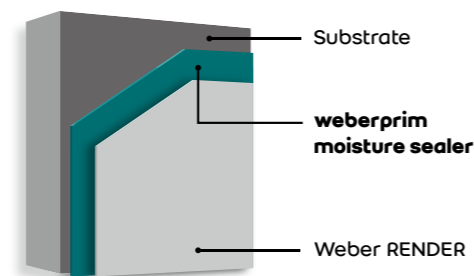
*The MVTR is based on a film made from the above respective material.



Packaging
20L / drum

Storage life

12 months
if the product is kept in dry condition and stored in the original unopened packaging.

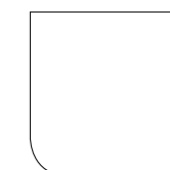


Technical Data

Colour	Greenish dispersion
pH value	7 – 9
Specific gravity	1.04 g/cm ³
VOC content	5 g/L

* Note: The information and physical data in this catalogue is given to the best of our knowledge under standard testing method and controlled environment. The results may vary with different weather / site conditions, workmanship or substrates. This is beyond our control that we shall not be liable for any faults or consequences arising or associated with this. We suggest comprehensive tests to be conducted before final application. Unless specified, all technical data are average values with curing time of 28 days. We reserve the right to update or amend the contents in the light of new findings during the course of research and development.

Tile Grout Colour Chart



White
EG01



Pearl Grey
EG02



Vanilla
EG11



Argentine Grey
EG12



Pewter
EG22



Ash Grey
EG32



Blackberry
EG42



Graphite
EG62



Beige
EG04



Tangerine
EG05



Blushing Mocha
EG18



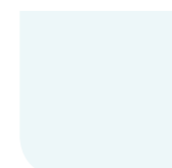
Cheddar
EG25



Toffee
EG29



Chrysanthemum
EG35



Crystal
EG37



Cappuccino
EG45



Chocolate
EG59



Sky Blue
EG87

Other colours available on request

Note: Slight colour variations may exist between this colour chart and the actual product. Owing to uncontrollable pigment fading, tarnishing of printed material or paper aging, the colours in this chart may change.

Projects - Hong Kong



Hong Kong Palace Museum
香港故宮文化博物館



Water World Ocean Park
海洋公園水上樂園



Wetland Seasons Park



CUHK Medical Centre
香港中文大學醫院



21 Borrett Road
半山波老道 21 號



Hong Kong-Zhuhai-Macao Bridge
Passenger Clearance Building
港珠澳大橋香港口岸旅檢大樓



Xiqu Centre
戲曲中心



1001 King's Road
英皇道 1001 號



Shan Lai Court
山麗苑



The Pavilia Farm
柏傲莊

Projects - Macau



Studio City Phase 2
新濠影匯二期



Athletes Training Center Of Macau
澳門運動員培訓及集訓中心



Seac Pai Van Health Centre
石排灣衛生中心

Projects - China



Grand Central
凱滙



OMA OMA



Regency Bay
御海灣



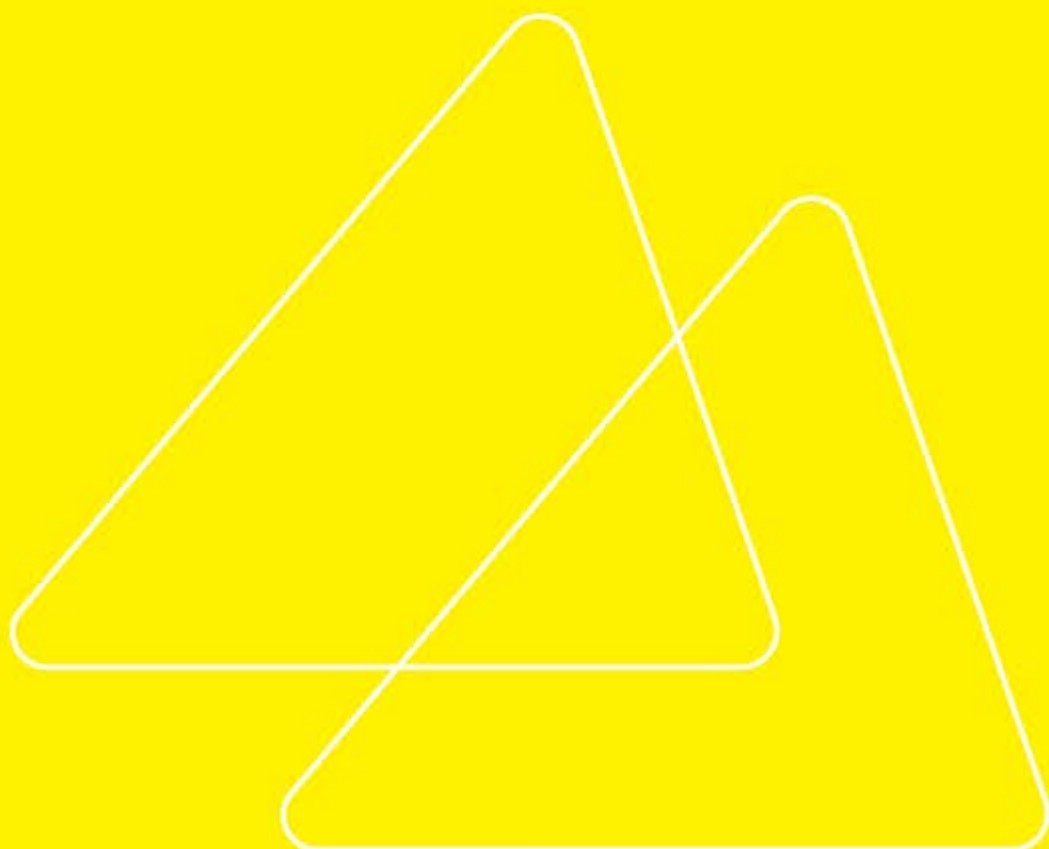
深圳宜家傢俬



廣州周大福金融中心



廈門 W 酒店



Saint-Gobain Weber Hong Kong

Units 801, 804-5, 8/F, Capital Centre,
151 Gloucester Road, Wanchai, Hong Kong

Tel.: + 852 2866 9199

Fax.: + 852 2865 0321

info.hk@saint-gobain.com

www.hk.weber



@Saintgobainweber#K

