

PRODUCT DATA SHEET

weberbase thick render

(Formerly known as E.MIX THICK RENDER)

Coarse and water resistant premixed render for internal and external conditions

PRODUCT

weberbase thick render is a high quality water resistant cementbased 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 – 25mm. 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

TECHNICAL DATA

Colour	Grey
Component	Portland cement, non-reactive aggregate, graded sand and other chemical additives
Max. aggregate size	4.0 mm
Water demand	Approx. 13 – 15% or 5.2 – 6L/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

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PHYSICAL PROPERTIES

Adhesion to concrete	HKHA MTS (2002/2004) Spec. Part D, Cl. 2.1.15	$\geq 0.8 \text{ N/mm}^2$
Compressive strength	BS 6319 : Part 2 HKHA MTS(2002/2004) Spec. Part D, Cl. 2.1.1	$\geq 15 \text{ N/mm}^2$
Flexural strength	BS 6319 : Part 3	$\geq 4 \text{ N/mm}^2$
Shrinkage	Coutinho Ring, HKHA MTS (2002/2004) Spec. Part D, Cl. 2.1.6	No cracks observed

Unless specified, all technical data are average values and refer to 28 days curing time.

Above physical data are taken on laboratory tests. In situ material performance may vary according to environmental & workmanship conditions beyond manufacturer control.

Complied Standards

British Standard : BS 5262, BS 5492, BS 5385, BS 5838 : Part 2,3
Chinese Standard : DBJ/T01-73-2003, DG/TJ08-502A-2000, JG/T 230 : 2007

PROCEDURE

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 head.

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.

STORAGE AND PACKING

weberbase thick render is delivered in 40 kg bag. Storage life is 12 months if the product is kept in a dry place.

HEALTH AND SAFETY

Recommend to wear NIOSH approved or equivalent particulate face mask when mixing the material.

Material contains cement, which may produce an allergic effect.

Keep out of reach of children.

Material may cause irritation to eyes and skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical assistance. After contact with skin, wash immediately with plenty of soap and water.

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.