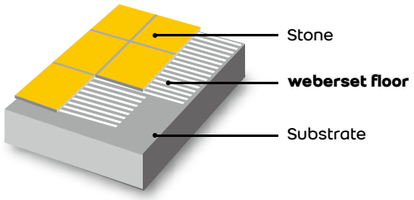
weberset floor

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. For the white tile adhesive, it 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 : 2007 Class C2, ISO 13007 - 2 : 2005 Class C2
- American Standard : ANSI A118.4 : 1999
- Chinese Standard : JC/T 547 : 2017 Class C2, GB 18583 : 2008

Packaging

40kg / bag

Storage life

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

* 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, 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 im mersion - 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	≤ 0.005g/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.

Tile Adhesive > weberset floor