

PRODUCT DATA SHEET

weberset floor

(Formerly known as E.MIX FLOOR FIX)

Thick Bed Stone and Marble Floor Fixing Mortar complying with C2 class of EN 12004 and ANSI A 118.4

PRODUCT

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, Chinese Standard and American 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

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) using 20% water demand	White: 1.4 kg/L (dry) White: 1.7 kg/L (wet) using 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, JC/T 547 <ul style="list-style-type: none"> 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 A 118.4	> 22 N/mm ²
VOC content	USEPA Method 24	< 10 g/L
Formaldehyde content	GB 18583	< 5 mg/KG

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

European Norm : EN 12004 : 2007 Class C2
American Standard : ANSI A118.4 : 1999
Chinese Standard : JC/T 547 : 2005 Class C2

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 **weberset floor**.

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 electric mixer. Then 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.

It is recommended to use **webergROUT** for grouting 1 day after tiling.

Please refer to our method statement for procedures in details.

Curing

Natural air curing is enough for **weberset floor**.

STORAGE AND PACKING

weberset floor 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.

Materials 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.