

PRODUCT DATA SHEET

weberset 313

(Formerly known as E.MIX TILE FIX 313)

Thin bed cementitious tile adhesive for tile fixing

PRODUCT

weberset 313 is a 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 wall installations. Suitable substrates are concrete, cement plasters, gypsum boards, brickworks and ALC blockwalls.

Uses

- Tiling for tile size not greater than 300 mm x 300 mm
- Interior wall tiling on renders or cement mortar
- 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** for wall or **weberfloor primer** for floor.
- Tiling on cementitious waterproofing material such as with **weber waterproofing series**

Features and Benefits

- Formulated to comply with European Norm and Chinese Standard
- Single component: fixed mixing proportion, ensure the quality of work
- Open time of 20 minutes
- Non-slip
- Thixotropic and easy to trowel, good workability
- Shrinkage compensated: reduce the shrinkage cracks

TECHNICAL DATA

Colour	Grey or White
Component	Portland cement, non-reactive aggregate, graded sand and other chemical additives
Max. aggregate size	1.0 mm
Water demand	Grey : Approx. 25 – 28% or 6.3 – 7 L/25 kg bag White : Approx. 27 – 30% or 6.8 – 7.5 L/40 kg bag
Density	1.4 kg/L (dry) Grey 1.3 kg/L (dry) White 1.5 kg/L (wet) for Grey using 26% water demand 1.5 kg/L (wet) for White using 27% water demand
Pot life	Approx. 3 hours
Coverage	Grey : Approx. 1.2 kg/m ² /mm White : Approx. 1.2 kg/m ² /mm

THICKNESS AND CONSUMPTION

Tile size (mm x mm x mm)	Recommend notch size (mm x mm)	Back buttering thickness (mm)	Total thickness (mm)	weberset 313 Grey consumption (kg/m ²)	weberset 313 White consumption (kg/m ²)
45 x 45 x 6	6 x 6	Nil	2.5	3	3
95 x 45 x 6	6 x 6	Nil	2.5	3	3
100 x 100 x 7	6 x 6	Nil	2.5	3	3
200 x 200 x 7	6 x 6	1	3.5	4.2	4.2

Consumption (kg/m²) = Total thickness of **weberset 313** (mm) x Coverage (kg/m²/mm)

PHYSICAL PROPERTIES

Adhesion to concrete	EN 1348 : 2007, JC/T 547 : 2004 - Initial adhesion strength - Adhesion strength after water immersion	≥ 0.5 N/mm ² ≥ 0.5 N/mm ²
Slip resistance	EN 1308 : 2007	< 0.5 mm

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 1348 : 2007
Chinese Standard : JC/T 547 : 2004

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 313**.

Mixing and Installation

weberset 313 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 **weberset 313 (grey)**, add approx. 6.3 – 7 L (25 – 28%) of water; for **weberset 313 (white)**, add 6.8 – 7.5 L (27 – 30%) of water.

Stir the mixture thoroughly for 5 – 7 minutes to obtain a creamy paste without lumps. Then let the

mixture stand for 10 minutes for the additives to dissolve, and then mix again before use. Apply **weberset 313** 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 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** for grouting 1 day after tiling.

Please refer to our method statement for procedures in details.

Curing

Natural air curing for **weberset 313** is enough.

STORAGE AND PACKING

weberset 313 is delivered in 25 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.

CLEANING & DISPOSAL OF WASTE

Cured material can be removed mechanically, if uncured, material can be removed with water. Dispose of waste in accordance with legislation.

* 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.