

PRODUCT DATA SHEET

weberset fast fix

(Formerly known as E.MIX SUPER FAST FIX)

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

PRODUCT

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. Ideal for installation of porous and vitreous tiles such as marble, granite, ceramic, and homogenous tiles for walls and floors. 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 **webertec EVA**.

Uses

- Fast setting tile adhesive for renovation purpose
- Tiling for large sized tiles
- 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
- Floor tiling
- 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 **weber waterproofing series**
- Tiling on old tiles

Features and Benefits

- Formulated to comply with European Norm Standard 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

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	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 using 26% water demand
Pot life	Approx. 45 minutes
Coverage	Approx. 1.15 kg/m ² /mm

THICKNESS AND THEORETICAL CONSUMPTION

Tile size (mm x mm x mm)	Recommend notch size (mm x mm)	Back buttering thickness (mm)	Total thickness (mm)	weberset fast fix consumption (kg/m ²)
45 x 45 x 6	6	Nil	2.5	2.9
95 x 45 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
600 x 300 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)

PHYSICAL PROPERTIES

Adhesion to concrete	EN 1348 : 2007 JC/T 547 : 2005 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	0.6 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
Open time	EN 1346 : 2007	10 min with ≥ 0.5 N/mm ² adhesive strength
Slip resistance	EN 1308 : 2007	0.3 mm
Deformability	EN 12002 : 2002	S1 deformable S2 deformability can be achieved by addition of webertec EVA

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 C2FTE, EN 12002 : 2007 Class S1 or S2 (if suitable amount of **webertec EVA** is added)
Chinese Standard : JC/T 547 : 2005 Class C2FTE

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 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 mix powder (40 kg with approx. 10-11.2 L) or (25 – 28%) 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 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 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 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**.

STORAGE AND PACKING

weberset fast fix is delivered in 40 kg bag. Storage life is 6 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.