

PRODUCT DATA SHEET

weberfix 676

(Formerly known as E.MIX STONE FIX 676)

High strength, highly flexible, low alkalinity, fast drying, medium thickness stone adhesive specialized in fixing reconstituted stone and low water absorption tile complied with C2TE class of EN 12004 and S1 class of EN 12002

PRODUCT

weberfix 676 is a high strength, deformable, highly flexible, low alkalinity, fast drying, polymerized, Reconstituted stone cementitious adhesive. It is designed to fix Reconstituted stone with low alkalinity and can achieve 0.5 MPa adhesive strength in 24 hours. It is specially designed for medium thickness of 5 – 10 mm in a layer. The product is a low alkalinity cementitious material and low moisture content material which benefits Reconstituted stone tile fixing. Ideal for installation of Reconstituted stone for wall and floor. 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 adding **webertec EVA**.

Uses

- Specialized for reconstituted stone fixing and low water absorption tile, such as homogeneous tile
- Tiling for large sized stone up to 1m x 1m
- Interior and exterior wall and floor stone fixing on cement mortar or concrete
- Compatible to cementitious waterproofing material such as **Weber WATERPROOFING** series or **Weber STONE BACK** series

Features and Benefits

- Extra adhesion that increase bond strength for Reconstituted stone / low water absorption tile
- Lower alkalinity to reduce chances of efflorescence
- Setting with low residual moisture within 24 hours
- Flexible with long durability
- Extra final adhesion under exterior weather condition, specially for exterior condition
- Single component: fixed mixing proportion, ensure the quality of work
- Non-slip
- Thixotropic and easy to trowel, good workability
- Shrinkage compensated: reduce the shrinkage cracks
- Formulated to comply with European Norm and Chinese Standard

TECHNICAL DATA

Colour	Beige white
Component	Low alkalinity cement, polymer additive, chemical additives, non-reactive aggregate, graded sand
Max. aggregate size	1.0 mm
Water demand	Approx. 26 – 29% (6.5 – 7.3 L/25 kg bag)



Density	1.4 kg/L (dry) 1.6 kg/L (wet) for using 28% water demand
Pot life	Approx. 45 minutes
Coverage	Approx. 1.2 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)	weberfix 676 consumption (kg/m ²)
200 x 200 x 7	6	1	3.5	4.2
300 x 300 x 10	6	2	4.5	5.4
600 x 300 x 10	6 – 8	2	6	7.2
600 x 600 x 15	8 – 10	2	6	7.2
1000 x 1000 x 20	10 – 12	2	6	7.2

Consumption (kg/m²) = Total thickness of **weberfix 676** (mm) x Coverage (kg/m²/mm)

PHYSICAL PROPERTIES

Adhesion to concrete	EN 1348, GB 24264 - Early adhesion strength (24 hours) - Initial adhesion strength - Adhesion strength after heat ageing - Adhesion strength after water immersion - Adhesion strength after freeze-thaw cycles	1.5 N/mm ² 2.0 N/mm ² 2.3 N/mm ² 1.5 N/mm ² 1.5 N/mm ²
Open time	EN 1346	30 minutes with ≥ 0.5 N/mm ² adhesive strength
Slip resistance	EN 1308	≤ 0.5 mm
pH value	BS 4551 : Part 2	10 - 11
Deformability	EN 12002	S1 deformable
VOC content	USEPA method 24	< 10 g/L

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 C2TE, EN 12002 : 2002 Class S1 or S2 (if webertec EVA is added)
Chinese Standard	:	GB 24264-2009
British Standard	:	BS 4551 : Part 2 : 1998

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 **weberfix 676**.

Mixing and Installation

weberfix 676 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 approx. 6.5 – 7.3 L (26 – 29%) of water by using an electric mixer. Actual water demand should be adjusted in accordance with the site condition.

Stir the mixture thoroughly for 3 – 5 minutes to 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 **weberfix 676** 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 **weberfix 676** 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 6 hours after tiling

Please refer to our method statement for procedures in details.

Curing

Natural air curing is enough for **weberfix 676**.

STORAGE AND PACKING

weberfix 676 is delivered in 25 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.