

## PRODUCT DATA SHEET

# weberset TF eco

Eco-Friendly, CO2 Emission reduced, high performance, strong polymerised thin bed low cement tile adhesive for interior and exterior tile fixing complied with C2TE class of BS EN 12004:2007+A1:2012

### PRODUCT

**weberset TF eco** is a eco-friendly, CO2 Emission reduced, high strength, high performance, low cement, 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. It is ideal for installation of porous and vitreous tiles such as marble, granite, ceramic, and homogenous tiles for walls and floors. Suitable substrates include concrete, cement plasters, gypsum boards, brickworks and ALC blockwalls.

### **Uses**

- Tiling for large sized tiles & stones
- Floor tiling
- Interior and exterior wall tiling on render or cement mortar
- Interior and exterior wall tiling on concrete. The concrete should be sufficiently well-aged or cured
- 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**
- Tiling on cementitious waterproofing material such as the **weber waterproofing** series product

### **Features and Benefits**

- Formulated to comply with European Norm
- Extra adhesion under exterior weather conditions, especially for exterior condition
- Single component : fixed mixing proportion, ensure the quality of work
- Shrinkage compensated : reduce the chance of shrinkage cracks
- Thixotropic and easy-to-trowel, good workability
- Extended open time of 30 minutes
- Non-slip

### TECHNICAL DATA

Colour	Grey
Component	Ground granulated blast furnace slag, polymer additive, chemical additives, non-reactive aggregate, graded sand
Max. aggregate size	1.0mm
Water demand	Approx. 24-27%(6-6.75L/25kg bag)

Density	1.45~1.55KG/L(wet)
Pot life	Approx. 55 mins
Coverage	Approx.1.25kg/m <sup>2</sup> /mm

#### Thickness and Theoretical Consumption

Tile size (mm x mm x mm)	Recommended notch size (mm)	Back buttering thickness (mm)	Total thickness (mm)	<b>weberset TF eco</b> consumption (KG/m <sup>2</sup> )
45 x 45 x 6	6	Nil	2.5	3
95 x 45 x 6	6	Nil	2.5	3
100 x 100 x 7	6	Nil	2.5	3
200 x 200 x 7	6	1	3.5	4.2
300 x 300 x 10	6	2	4.5	6.4
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/m<sup>2</sup>) = Total thickness of **weberset TF eco** (mm) x Coverage (KG/m<sup>2</sup>/mm).

#### PHYSICAL PROPERTIES

Adhesion to concrete	EN 12004:2007+A1:2012 Class C2TE - Initial adhesion strength - Adhesion strength after heat ageing - Adhesion strength after water immersion - Adhesion strength after freeze-thaw cycles	≥ 1 N/mm <sup>2</sup> ≥ 1 N/mm <sup>2</sup> ≥ 1.N/mm <sup>2</sup> ≥ 1 N/mm <sup>2</sup>
Open time	EN 1346	30 minutes with > 0.5 N/mm <sup>2</sup> adhesive strength
Adjustment time	BS 5980	10 minutes
Slip resistance	EN 1308	≤ 0.5 mm
VOC content	USEPA Method 24	< 10 g /L

Unless specified, all technical data are average values and refer to curing time of 28 days.

Above physical data are taken on laboratory tests. In situ material performance may vary according to environmental & workmanship conditions beyond manufacturer control.

#### Compiled Standards

European Norm : BS EN 12004:2007+A1:2012 Class C2TE

## **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 TF eco**.

### **Mixing and Installation**

**weberset TF eco** 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. 25 – 28% (6.3 – 7 L) 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 TF eco** 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 TF eco** more than 1 m<sup>2</sup> 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 fine** for grouting 6 hours after tiling

For fixing light colour natural stones in continuous wet floor areas, please consult our Technical department for details.

Details of the procedure please refers to our Method Statement.

### **Curing**

Natural air curing for **weberset TF eco** is enough.

## **STORAGE AND PACKING**

**weberset TF eco** 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.