

## PRODUCT DATA SHEET

# weberfix 656

(Formerly known as E.MIX STONE FIX 656)

Pure white, high strength, highly flexible, strong polymerized stone adhesive for interior and exterior light colour stone fixing complied with C2TE class of EN 12004

### PRODUCT

**weberfix 656** is a high strength, water resistant, pure white cementitious and single component stone adhesive. It is designed simply to mix with water to give strong, non-slip, extended open time, and highly workable adhesive mortar for both interior and exterior applications. Ideal for installation of white marble and light colour stones which will not affect the colour of stone. Suitable substrates are concrete, cement plasters, gypsum boards, brickworks and ALC blockwalls.

### Uses

- White colour stone installation
- Interior and exterior wall and floor stone installation on renders or cement mortar
- Tiling on cementitious waterproofing material such as Weber WATERPROOFING SERIES or Weber STONE BACK SERIES

### Features and Benefits

- White colour, which will not affect the colour of white or light colour stone
- Extra adhesion under exterior weather condition, specially for exterior condition
- Single component: fixed mixing proportion, ensure the quality of work
- Extended open time of 30 minutes
- Non-slip
- Thixotropic and easy to trowel, good workability
- Formulated to comply with European Norm and Chinese Standard

### TECHNICAL DATA

Colour	White
Component	White Colour Portland cement, non-reactive aggregate and fillers, other chemical additives
Max. aggregate size	1.0 mm
Water demand	Approx. 31– 34% or 12.4– 13.6 L/40 kg bag
Density	1.2 kg/L (dry) 1.4 kg/L (wet) using 33% water demand
Pot life	Approx. 3 hours
Coverage	Approx. 1.1 kg/m <sup>2</sup> /mm



## PHYSICAL PROPERTIES

Adhesion to concrete	EN 1348, GB 24264 - Initial adhesion strength - Adhesion strength after heat ageing - Adhesion strength after water immersion - Adhesion strength after freeze-thaw cycles	1.6 N/mm <sup>2</sup> 1.4 N/mm <sup>2</sup> 1.1 N/mm <sup>2</sup> 1.8 N/mm <sup>2</sup>
Open time	EN 1346	30 minutes with $\geq 0.5$ N/mm <sup>2</sup> adhesive strength
Slip resistance	EN 1308	$\leq 0.5$ mm
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
Chinese Standard	:	GB 24264-2009
American Standard	:	USEPA method 24

## 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 656**.

### **Mixing and Installation**

**weberfix 656** 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 appropriate amount of water by using an electric mixer. For **weberfix 656**, add 12.4– 13.6 L (31 – 34%) 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 **weberfix 656** by using a notched trowel directly onto substrate, over which tiling can be achieved within 30 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 is enough for **weberfix 656**.

### **STORAGE AND PACKING**

**weberfix 656** 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.

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.