

PRODUCT DATA SHEET

weberfix stone back 496

(Formerly known as E.MIX STONE BACK 496)

Beige white polymerized cementitious adhesive for fixing mesh on marble

PRODUCT

weberfix stone back 496 is a two component polymer modified cementitious adhesive for fixing fabric reinforcement mesh on marble back surface. It can be simply achieved by mixing a pre-packed dry-mixed powder with a formulated latex admixture. It can set in low temperature and highly humid environment. It has high bond strength with various cement based materials and low shrinkage to prevent marble from debonding. **weberfix stone back 496** is ideal for installation of fabric reinforcement mesh on marble back with enhanced adhesion strength to the reinforcement mesh and highly compatible to cement based materials which do not require removing mesh during wet fixing application. It provides excellent resistance to water which can prevent stains and efflorescence for marble after wet fixing application.

Uses

- Can be used at 5 – 10 °C
- Extra adhesion for fixing reinforcement mesh on marble tile which do not require removing mesh during wet fixing application
- To be applied on marble tiles that increase bond strength with stone adhesive
- Waterproofing on marble back to prevent stains diffuse into the stone

Features and Benefits

- Can be set at low temperature and high humidity
- Enhance bond strength to fabric reinforcement meshes and stone adhesive
- Water and alkaline resistance to prevent cementitious materials diffuse into the stone structure
- Pre-packed component: fixed mixing proportion, ensure the quality of work
- Good workability: simple brush or towel
- Non-toxic: environmentally friendly

TECHNICAL DATA

| | Part A | Part B |
|-----------|--|------------------------|
| | 30 KG (dry-mixed powder) | 10 L (latex admixture) |
| Colour | White | Milky white |
| Component | White Portland cement, non-reactive aggregate, polymer binder, waterproofing additive and other chemical additives | |

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| | |
|-------------------------|--|
| Max. aggregate size | 0.5 mm |
| Mixing ratio | 10 L latex admixture/ 30 KG bag |
| Density | 1.1 KG/L (dry) 1.6 KG/L (wet) |
| Pot life | Approx. 1 hour |
| Thickness | Approx. 0.8 - 1 mm |
| Theoretical consumption | Approx. 40 - 50 m ² / package |

PHYSICAL PROPERTIES

| | | |
|-------------------------------|--|---|
| Drying time (5 °C) | | < 1 hour |
| Adhesion to concrete | EN 13487, GB 24264 Early adhesion strength Initial adhesion strength Adhesion strength after water immersion Adhesion strength after heat ageing Adhesion strength after freeze-thaw cycles | 0.8 N/mm ² 2.1 N/mm ² 2.0 N/mm ² 1.3 N/mm ² 1.7 N/mm ² |
| Shear adhesive strength | ANSI A118.4 | 2.1 N/mm ² |
| Water impermeability pressure | GB 23445 | 1.1 MPa |
| VOC content | ASTM D3960 | 2 g/KG |

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

| | | |
|-------------------|---|--------------------------------|
| Chinese Standard | : | GB 24264 – 2009, GB 23445-2009 |
| European Norm | : | EN 12004 : 2007, EN 12859 |
| American Standard | : | ASTM D3960, ANSI A118.4 |

PROCEDURE

Substrate Preparations

The stone back must be clean, free from dust and other surface contaminations which affecting the adhesion of **weberfix stone back 496**. All dust and contaminants should be vacuumed clean prior to installation.

Mixing and Installation

Empty the latex admixture (10 L) into a bucket, pail or other suitable vessels.

Add the dry-mixed powder (30 KG) gradually to the admixture and stir gently using an electrical mixer with mixing time of 3 to 7 minutes to avoid lump formation until a smooth consistent mixture is achieved.

The blended mixture must be used within 1 hour, and must avoid direct sunlight.

Apply **weberfix stone back 496** evenly onto the stone back surface and fix the fabric mesh into the mortar.

The stone surface temperature should be between 5 °C to 25°C for the application of **weberfix stone back 496**.

Application thickness is within 0.8 – 1 mm.

The drying time under working condition of 5°C will be within 30 minutes and under room temperature at 10 - 15 minutes.

Stone wet fixing product such as **weber stone fix series** products should be applied onto the **weberfix stone back 496** one day after.

Please refer to our method statement for procedures in details.

Curing

Natural air curing for **weberfix stone back 496** is enough under normal temperature.

STORAGE AND PACKING

weberfix stone back 496 is delivered in 30 KG bag of dry-mixed powder and 10 L drum of latex admixture. 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.

* 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.