

CWC®SMART GRIFIX SUPER

Heavy Duty Tile Adhesive for All Type of Tiles

Description

CWC®SMART GRIFIX SUPER is a ready-to-use, thin or thick bed, water resistant, pre-mixed single component, cementitious polymer modified high strength tile adhesive in powder form, for fixing Ceramic, Mosaic, Marble and Granite Tiles.

CWC®SMART GRIFIX SUPER complies to Type 3 'T' as per IS 15477 :2004 and C2TE as per EN 12004 :2017.

Indicative Characteristics

Appearance	Grey powder
Mixed density	1.85 ± 0.1 kg/l
Pot life	> 60 minutes
Open Time	> 30 minutes
Slip / Sag	≤ 0.5 mm
Mixing Ratio (Powder : Water)	1 : 0.28 by weight
Adhesive thickness	3 – 12 mm
Setting / Trafficable / Grouting Time	24 hours

Performance Properties As per IS 15477 : 2004 (Type 3 'T')

Tensile Adhesion at Dry Condition, after 28 days	≥ 1.5 N/mm ²
Tensile Adhesion at Wet condition	≥ 1 N/mm ²
Shear Adhesion at Dry Condition	≥ 1.5 N/mm ²
Shear Adhesion at Wet condition	≥ 1 N/mm ²
Shear Adhesion at Heat Ageing	≥ 1 N/mm ²

Performance Properties As per EN 12004 (C2TE)

Tensile Adhesion Strength, after 28 days	≥ 1.0 N/mm ²
Tensile adhesion strength after water immersion	≥ 1.0 N/mm ²
Tensile adhesion strength after heat ageing	≥ 1.0 N/mm ²
Tensile adhesion strength after freeze-thaw cycle	≥ 1.0 N/mm ²
Slip resistance	≤ 0.5 mm
Extended open time (at 30 minutes)	≥ 0.5 N/mm ²

Domains of Application

Bonding Vetrified tiles, Ceramic, Glass Mosaic, Marble and Granite Tiles to concrete surfaces floors and walls. Can be used in shower recesses and swimming pools where continuous or intermittent immersion in water occurs.

It can also be used for fixing Aerated Autoclave Lightweight Concrete Blocks from Fly Ash (AAC) and insulating and acoustic boards based on expanded polystyrene plastics.

Advantages

- Can be used on damp substrates.
- Offers high adhesive bond strength.
- Excellent slip resistance.
- High early strength.
- Fast curing.
- Water resistant.
- Long open wet time (upto 30 minutes).
- Thixotropic property.
- Tropicalized and eco-friendly, offers no health hazards to users.
- Economical

Method Of Application

Surface Preparation

The surface should be structurally sound and free from dust, grease, oil, etc. Dampen porous surface for at least one hour prior to application of **CWC®SMART GRIFIX SUPER**. Ensure that the surface is only saturated surface dry.

Mixing

For 1 kg of **CWC®SMART GRIFIX SUPER**, about 260-300 ml of water is to be mixed. A slow speed paddle is recommended. Add the powder gradually to water and mix until a uniform slump-free consistency is obtained. This must be used within an hour.

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Application Method / Tools

Spread out the paste above on the substrate to uniform thickness of 3 - 4 mm bed by using a suitable notched trowel at approximately 45 degree angle to the surface. Place tiles firmly on adhesive bed ensuring good contact twisting motion. **CWC®SMART GRIFIX SUPER** mixed with water, if dries due to excessive delay in placing tiles, remove adhesive and apply fresh material.

Shelf Life & Storage

12 months from the date of manufacturing when stored in unopened, original sealed and dry condition at a temperature range from +5°C to 40°C

Packing

25 kg Bag.

Precautions

- Preferably store in sealed conventional containers, protected from extreme weather conditions.
- Clean all tools and application equipment with water before it set. Clean immediately after use. Hardened / cured material can only be mechanically removed.

Safety

- Wear hand gloves, safety shoes and safety goggles while using and handling the product.
- In case eyes or mouth are affected wash with plenty of clean water and seek medical treatment immediately.

Before use, refer to the Material Safety Data Sheet. The MSDS is available on www.cwcchemicals.com

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