

# CWC®SMART GRIFIX FLEX

## Pre Mixed Water Resistant Cementitious Polymer Modified Multipurpose Tile Adhesive

### Description

**CWC®SMART GRIFIX FLEX** 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.

### Indicative Characteristics

Appearance	Grey powder
Mixed density	~2.1kg/l
Workable time	60 minutes
Light Foot traffic	Overnight (when applied as thin bed)
Theoretical Coverage	3-4kg /m <sup>2</sup> when applied 6mm notched trowel.
Pull off bond strength	>1 N/mm <sup>2</sup> (no bond failure)

### Domains of Application

Bonding Ceramic, 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 FLEX**. Ensure that the surface is only saturated surface dry.

#### Mixing

For 1 kg of **CWC®SMART GRIFIX FLEX**, about 200-250 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.

#### Application Method / Tools

Spread out the paste above on the substrate to uniform thickness of 2-3 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 FLEX** 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.

## CWC®SMART GRIFIX FLEX

### Pre Mixed Water Resistant Cementitious Polymer Modified Multipurpose Tile Adhesive

#### 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](http://www.cwcchemicals.com)

#### Regional Offices :

##### Mumbai :

Office No - 616/617, J K Chambers  
Sec-17, Vashi, Navi Mumbai-400703  
Maharashtra, INDIA.  
091 9920791030

##### Chennai :

Plot No.3/86-E, Ground Floor  
AIEMA Road, Ambattur Industrial Estate  
Chennai – 600058 Tamil Nadu, India  
091 8939820144  
[www.cwcchemicals.com](http://www.cwcchemicals.com)  
[info@cwcchemicals.com](mailto:info@cwcchemicals.com)