

Monneli Ceramic Tile Fix

Polymer modified weather resistant
cementitious adhesive for ceramic tiles

Product Description

Monneli Ceramic Tile Fix is a cementitious mortar adhesive composed of hydraulic binders, selected aggregates and special additives. It is supplied as a dry powder in pre-weighed bags ready to use on site, which requires only addition of clean water to produce easily workable mortar. Monneli Ceramic Tile Fix is ideal for fixing of ceramic tiles & terrazzo tiles. Ceramic Tile Fix is applied in thickness from 3mm to 10mm, depending upon type of tiles and quality of substrate.

Uses

- ▶ For ceramic & terrazzo tiles.
- ▶ Tiling on smooth concrete surfaces, lightweight bricks, blocks, plaster boards.
- ▶ Tiling on wall surfaces that are plastered with water resistant plasters such as Monneli Base WR on damp concrete interiors.
- ▶ Suitable for dry & wet conditions.

Advantages

- ▶ Factory controlled pre-blend ensures consistent high quality.
- ▶ Requires only addition of water on-site at the time of usage.
- ▶ Easy tile installation that enables high productivity.
- ▶ Superior workability.
- ▶ Long extended open time.
- ▶ Excellent slip resistance.
- ▶ Excellent adhesion on variety of tiles available in the local market.
- ▶ Water resistant.
- ▶ Suitable for internal applications.
- ▶ Suitable for horizontal & vertical surfaces.

Usage Instructions

Substrate Preparation

The surface should be sound, clean, free from loose material, grease, laitance, dirt curing compound, etc.

Wet the all surfaces (except gypsum board) with clean water prior to the application of Monneli Ceramic Tile Fix. Surface should appear damp with no water pooling.

Mixing

For the preparation of mortar adhesive, pour into a container 5-6 liters of water for each 20 Kg bag of Monneli Ceramic Tile Fix.

Add the powder to the water and mix with a low speed electric drill fitted with a suitable paddle for 3-4 minutes, until a uniform, lump-free consistency is achieved. Allow the mixed material to stand for about 10 minutes and remix briefly with no further water added.

It can also be blended manually for small quantity but ensure correct amount of powder to water is maintained. When the mixed mortar starts to harden, do not add anymore water to the mix.

Mixed material can be used within 1.5 hours.

Application

Spread the mixed mortar adhesive and firmly pressed onto the surface to be tiled and work with notched trowel. Spread the mortar adhesive to an area that can be tiled within 10-15 minutes. Tiles are then firmly pressed over the mortar adhesive and immediately knocked into the desired position. Position of the tiles can be adjusted, if required, within its adjustability time of 10-15 minutes after installation. Allow the installed tiles to remain undisturbed for at least 48 hours. Mortar adhesive must not rise higher in the joints than halfway the thickness of the tiles. It is recommended to use Monneli Tile Grout for filling the joint gaps after 2 days of tile installation.

Cleaning

Tools and equipment can be cleaned with water immediately after use. Hardened materials will require removal by mechanical means.

Technical Data

Category	Typical Values
Appearance	White & Grey Powder
Aggregate Size	1.0 mm (max)
Application Thickness	3 to 10 mm
Mixed Density	1.50 Kg/L ± 0.1 Kg/L
Open Time	25 minutes
Adjustability	10-15 minutes
Compressive Strength (ASTM C349)	≥ 7.5 MPa @ 28 days
Flexural Strength (ASTM C348)	≥ 2.5 MPa @ 28 days
Tensile Adhesion (Bond Strength) (EN 1348)	≥ 1.0 MPa @ 28 days
EN12004 Classification	C1T
VOC	< 25 g/L
Minimum Application Temperature	5°C

All values are subject to 5-10% tolerance

Standards Compliance

- ▶ BS EN 12004 as C1T
- ▶ ASTM C348
- ▶ ASTM C349
- ▶ ISO 13007

Consumption

Monneli Ceramic Tile Fix usage yields 6-6.5 square meter per bag on a wall and 4.5-5.5 square meter per bag on a floor.

Legal disclaimer

Monneli endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Monneli has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of TDSs are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated TDSs.

Packaging

Monneli Ceramic Tile Fix is supplied in 20 Kg bag size.

Shelf Life & Storage

Original sealed bags of Monneli Ceramic Tile Fix has a shelf life of 12 months provided it is stored clear of ground in a dry shaded place below 25°C.

Health & Safety

Monneli Ceramic Tile Fix is highly alkaline therefore avoid direct contact with eyes or skin. It is recommended to use protective gloves and goggles during application. Any skin contact should be wash with soap & water. In case of eyes irritation, immediately wash with copious amount of clean cold water. Seek medical advise.

Monneli Ceramic Tile Fix is non-flammable.