

Monneli Porcelain Tile Fix

Polymer modified weather resistant adhesive for porcelain tiles

Product Description

Monneli Porcelain 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 Porcelain Tile Fix is suitable to use as dry set fixing mortar particularly for Porcelain Tiles, and Marbles. Porcelain Tile Fix is applied in thickness from 3mm to 10mm, depending upon type of tiles and quality of substrate.

Uses

- ▶ Specially designed for porcelain tiles
- ▶ Suitable for non-absorbent tiles including large tiles
- ▶ Tiling on smooth concrete surfaces, lightweight bricks, blocks, and plaster boards.
- ▶ Tiling on cement and gypsum Boards.
- ▶ Suitable for dry and 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.
- ▶ Excellent Slip resistance.
- ▶ Excellent Adhesion on variety of tiles available in the local market.
- ▶ Suitable for internal & external applications
- ▶ Suitable for horizontal & vertical surfaces.

Usage Instructions

Surface Preparation

Substrate 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 Premium Fix. Surface should appear damp with no water pooling.

Mixing

For the preparation of mortar adhesive, pour into a container 6.0-6.5 liters of water for each 20 Kg bag. 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 to be added.

It can also be blended manually for small quantity but ensure correct amount of powder to water is maintained.

Mixed material can be used within 2 hours.

Do not add water to the mix, once the mortar adhesive starts to harden.

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 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

Properties	Typical Values @ 25°C
Appearance	White Powder
Aggregate Size	1.35 max
Application Thickness	3-10 mm
Open Time	25 minutes
Adjustability	10-15 minutes
VOC	< 25 gm/Liter
EN12004 Classification	C2TE S1
Compressive Strength @ 28 day (ASTM C349)	≥10 MPa
Flexural Strength @ 28 day (ASTM C348)	≥2.8 MPa
Tensile Adhesion (Bond Strength) @ 28 day (EN 1348)	≥1.0 MPa
Mixed Density	1.45 kg/liter ± 0.1kg/liter
Minimum application temperature	5°C

All values are subject to 5-10% tolerance

Standards Compliance

- ▶ BS:EN 12004 as C2TE S1
- ▶ ISO 13007
- ▶ ASTM C348 & C349

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 and Coverage

Monneli Porcelain Tile Fix is available in 20 Kg Bag size.

Coverage:

Walls: 5.5-6.0 m²/bag 20 Kg

Floor: 4.0-5.0 m²/ bag 20 Kg

Stated consumptions data are for general guidance. Actual consumption depends on the nature of substrate, method of application and wastages extra.

Storage

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

Health and Safety

Monneli Porcelain 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 washed with soap & water. In case of eyes irritation, immediately wash with copious amount of clean cold water. Seek medical advice.

Monneli Porcelain Tile Fix is non-flammable.