

# Monneli Ultra Fix

Polymer modified weather resistant  
multipurpose adhesive for tiles.

## Product Description

Monneli Ultra 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 Ultra Fix is ideal for fixing of Tiles, Terrazzo Tiles, and Marbles. Monneli Ultra Fix is applied in thickness from 3mm to 10mm, depending upon type of tiles and quality of substrate.

## Uses

- ▶ For porcelain tiles, ceramic tiles, natural stone conglomerates (granite & marble, terrazo), artificial stone and large format tiles.
- ▶ Tiling on smooth concrete surfaces, lightweight bricks, blocks, and 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.
- ▶ Suitable for tile on existing tile applications.

## 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 adhesion on variety of tiles available in the local market.
- ▶ Water & weather resistant.
- ▶ Suitable for internal & external 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. 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 of Monneli Ultra 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 to be added.

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

If required, add 0.5 Ltr of Monneli Bond to the mixing water followed by addition of powder.

Mixed material can be used within 1.5 hours.

Do not add water to the mix when 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 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
Open Time	>30 minutes
Adjustability	25 minutes
EN12004 Classification	C2TE S1
Compressive Strength (ASTM C349)	≥ 11.0 MPa @ 28 days
Flexural Strength (ASTM C348)	≥ 4.0 MPa @ 28 days
Tensile Adhesion (Bond Strength) (EN 1348)	≥ 1.0 MPa @ 28 days
Mixed Density	1.45 Kg/L
Minimum application temperature	5°C
VOC	<25 g/L

All values are subject to 5-10% tolerance

### Standards Compliance

- ▶ BS:EN 12004 class C2TE S1
- ▶ ISO 13007-1,2
- ▶ ASTM C348
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- ▶ ANSI A118.1,118.4

### 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.

### Consumption

Monneli Ultra Fix usage yields 6.0-6.5 square meter per bag on a wall and 4.5-5.5 square meter per bag on a floor.

### Packaging

Monneli Ultra Fix is supplied in 20 Kg bag size.

### Shelf Life & Storage

Original sealed bags of Monneli Ultra 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 Ultra 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 Ultra Fix is non-flammable.