

Monnelli Pool Fix

Polymer modified water resistant adhesive for fixing swimming pools, fountains & watertanks tiles

Product Description

Pool 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. Pool Fix is suitable to use as dry set fixing mortar particularly for Pool ceramic wall & floor tiles. Pool Fix is applied in thickness from 3mm to 10mm, depending upon type of tiles and quality of substrate.

Uses

- ▶ For use in all types of tiles for swimming pools, fountains, water tanks, and submerged conditions
- ▶ Tiling on smooth concrete surfaces, lightweight bricks, blocks, plaster boards.
- ▶ Tiling on wall surfaces that are plastered with water resistant plasters such as Monnelli Base WR on damp concrete interiors.
- ▶ 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.
- ▶ Superior bond in wet & immersed water conditions
- ▶ 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

The surface should be sound, clean, free from loose material, grease, laitance, dirt, curing compound, etc. Wet the all surfaces with clean water prior to the application of Pool Fix. Surface should appear damp with no water pooling.

Mixing

For the preparation of mortar adhesive, pour into a container 7.5-8 liters of water for 20 Kg bag of Pool 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 0.5Ltr of Monnelli Bond to the mixing water followed by addition of powder.

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 filled 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 Monnelli Pool 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)	≥13 MPa
Flexural Strength @ 28 day (ASTM C348)	≥ 4 MPa
Tensile Adhesion (Bond Strength) @ 28 day (EN 1348)	≥1.2 MPa
Mixed Density	1.45 kg/liter ± 0.1kg
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

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Consumption

Walls: 6.5-7.0 m²/bag 20 Kg
 Floor: 5.0-5.5 m²/ bag 20 Kg

Packaging

Monneli Pool Fix is available in 20 Kg Bag size.

Storage

Original sealed container of Pool 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 Pool 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 Pool Fix is non-flammable.