

Cementitious adhesive for floor and wall tiles

Description

Magfix - 105 is a prepacked, ready to use grey cement based water resistant cementitious tile adhesive suitable for bonding wall and floor tiles.

Features & Benefits

- Ready-mix powder, needs only addition of water for mixing
- Air curing, no need for additional curing
- Suitable for bonding mosaic, ceramic and other tiles to mineral substrates like concrete
- Not suitable for gypsum bases
- Fast setting, facilitates to complete more laying work in a day
- Better bond strength compared to conventional sand-cement mortars
- Added with special chemicals to enhance adhesion, non-shrink properties and water resistance

Primary Application

Fixing different building tiles like mosaic, vitrified, marble, slate for swimming pools, bathrooms, kitchens etc. Not suitable for overhead application

Technical properties

Minimum application thickness: 5mm per layer

Water/powder ratio :0.20 to 0.225

Workable time : ≈30 minutes

Tensile Adhesion (as per IS:15477-2004)

Dry condition	787 N
Wet condition	493 N

Shear Adhesion (as per IS:15477-2004)

Dry condition @ 24hrs	2.69 kN
Dry condition @ 14days	8.43 kN
Wet condition	4.42 kN

Application Instructions

Surface Preparation

Surface shall be free from loose bond breaking layers such as laitance. Any damaged substrate with deep and large undulations shall be repaired. Slightly moisten the substrate if it is dry at the time of application.

Mixing

Mix the contents of the bag at the proportion of 5 to 6 liters of clear cool water per 20kg powder with a paddle mixer at less than 500RPM until a uniform lump free paste is obtained. The mixing time shall not be less than 3 minutes. Allow the paste to stabilize

Application

The mixed material shall be applied on substrate within 10 minutes of mixing for fixing tiles, using notch trowel as appropriate. Apply the tiles on the adhesive paste and press them firmly with twisting movement while making sure that the paste does not slip from the tile sides. Use a notched trowel to obtain a minimum average thickness of 3mm. Magfix - 106 can also be applied on the back of tiles to ensure full adhesion on the entire surface. The tiles should not be disturbed for at least 24hrs after setting the tiles.

Limitations and special notes

- The cementitious substrates should be at least 28 days cured before application of the product.
- The water/powder ratio shall never be exceeded than recommended
- If applied on screed or plastered surface, the thickness of the same shall not be less than 10 mm. and should be fully cured.
- Apply Magfix - 105 on the substrate by areas of around 1m² each, which can be tiled within a maximum of 10 minutes from application time at 20°C. After that time, an outer skin may form thus preventing the tile from adhering properly to Magfix - 105.
- Adjustments to the tiles should only be made during its open time.
- It is recommended to leave a minimum width of 2 mm around the tiles (or as designed).
- Grouting the tile joints should only be done at least 24 hours after tiling

MAGFIX-105

Estimating Packaging

Magfix - 105 is supplied in 20kg bags with polyethylene lining.

Coverage

Approx. 4-5kg of Magfix - 105 powder is required per m² of the tile area. 3.8 to 4.2m² tile area will be covered by one 20 kg bag of Magfix - 105 at a thickness of 5mm.

Storage

Magfix - 106 has a shelf life of 12 months if kept in dry store in original, unopened containers. If stored at high temperature and/or high humidity conditions the shelf life may be reduced.

Precautions Health & Safety instructions

The product contains cement powders which, when mixed with water, releases alkalis that could be harmful to the skin. It is preferable that the application be done in a ventilated area, and to wear protective gear for hands, eyes and respiratory system and to avoid breathing of the dust. Splashes on the skin should be washed away by cleaning thoroughly with soap and water. In case of contact with eyes, wash thoroughly with clean water and seek medical attention. If swallowed, do not induce vomiting and seek medical attention.

Fire

Magfix - 105 is non-flammable



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Note :

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