

Tile Admixture - Flex

Product Description:

MagicBond - Flex is an admixture for making Type – 4 adhesive. It is specially formulated to provide strong & super flexible bond for tiling on deformable substrates (drywall, plywood, fibre cement sheets).

MagicBond Admixture Flex, when mixed with MagicBond – Tile Adhesive - Elite, provides a strong bond with most surfaces (especially for highly deformable substrates like drywalls). It is suitable for internal & external application & for floor & walls.

Advantages:

- High Bond Strength
- Easy Workability
- Extended open time
- No shrinkage cracks
- Zero Wastage
- Easy to use & Time Saving
- Economical
- Premixed
- Non-hazardous & non-flammable liquid

Suitable Substrates:

- Plywood
- Gypsum Board
- Fiber Cement Sheet
- Tile Backer Board
- Wooden Substrates
- Ceramic Tiles
- Vitrified Tiles
- Cladding/Walls
- Swimming Pool Tiles
- Stones

Packaging:

1 Liter

Colour:

White Liquid

Coverage (1 ltr Flex+20 kg Elite)

35-40 Sq.ft per application depending on the surface texture and porosity.

Shelf Life:

Factory packed bottle of Magic Bond Tile Admixture – Flex carries a shelf life of 24 months in its original packaging, if stored in cool & dry place. However, as temperature, humidity, water addition & other parameters vary from site to site, the information should be treated as a general guideline.

Cautions:

- Protect against direct rain for at least 12 hrs.
- Workability times may vary, depending on environmental conditions and the temperature of the tiles.
- During cold weather, protect finished work from use until fully cured.



TECHNICAL DATA

Applicable Standard:

Conforms to IS 15477: 2019 Type 4 & EN 12004 C2 TE S2

Performance Properties:

Appearance	White Liquid
Packaging	1 ltr.
Shelf Life	24 Months in the original packaging
Mixing Ratio	1 lt Flex : 5 lt water (in 20 kg Bag of MagicBond TA – Elite)
Vertical slip	<0.5 mm
Transverse Deformation	≥ 5.0mm
Tensile Adhesion	1.50 Mpa
Shear Adhesion	1.50 Mpa

Working Properties:

Test	Result
Pot Life	60 – 90 minutes
Open Time	60 – 90 minutes
Final Setting Time	24 hrs

Specifications are subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

INSTALLATION

Surface Preparation:

The application surface/substrate must be compact and consistent, free from loose particles or any other foreign material prior to commencement of work/application of any MagicBond Tile Admixture – Flex product. Uneven areas must be corrected with suitable smoothing and finishing products. The substrate must be stable, without cracks and have already completed the curing period of hygrometric shrinkage.

Mixing:

MagicBond Tile Admixture – Flex is prepared by mixing together MagicBond Tile Adhesive – Elite to premixed MagicBond - Flex & water. Pour the Tile Adhesive Standard powder into the bucket containing Flex liquid & water, be careful to mix all three parts uniformly until a smooth, even colored paste is obtained.

Application

The paste so prepared needs to be applied with a notched trowel. Using the smooth part of the trowel, apply a fine layer of product, make notches with toothed side. Back butter the surface on tile. Press down each tile to allow for maximum coverage of the surface.

Ensure that tile is completely bedded in the adhesive. Provide joints between two-tiles using Tile Spacers. Allow tiling to set for 24 hours and start filling joints next day with MagicBond Epoxy Tile Grout EG-100.

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Cleaning:

Excess adhesive needs to be cleaned with water or alcohol when it is still fresh.

Once cured, it can only be removed with the help of mechanical means.