

# MAGIC BOND™

## INSTAFIX

### Product description:

MagicBond Instafix is an epoxy based two-component adhesive formulated with significant strength for instant spot bonding of large tiles and stones. This product is suitable for all type of tiles and stone including marble, granite and large format tile on vertical / overhead in interior and exterior applications. The setting time is just 15 minutes.

### Advantages:

- Fast setting formula with a set time of 15 minutes
- No-sagging
- High Strength
- Vibration resistant
- Does not stain surface
- Unparalleled productivity
- 2x installation speed of stone veneers and tiles

### Suitable for:

- Vertical Cladding of Marble
- Stone Slab
- Granite
- Large format tiles
- Masonry
- Veneer
- Precast Concrete

### Packaging:

1.5 Kg Box (1 kg Resin + 500 gms Hardener)

### Appearance:

Resin White

Hardener Brown

### Coverage:

The product provides a coverage of 100 sq. feet / 1.5 kg at 3 mm dab thickness

\*Coverage is based on smoothness and evenness of the substrate and the thickness of mortar used.

### Shelf life:

Factory packed MagicBond Instafix carries a shelf life of 24 months, if stored in a cool dry place.

### Cautions:

- Stir well before use.
- During cold weather protect finished work from use until fully cured.
- Excess water on substrate must be removed by suitable means.

### Safety Precautions:

- Avoid contact with eyes or prolonged contact with skin.
- It is recommended to use rubber hand gloves & safety goggles.
- In case of contact with skin, wash the area with plenty of water.
- Keep out of reach of children.

### Technical data:

#### **Applicable standard**

Conforms to IS 15477:2019 (Type 5) & EN 12004 (R2T)

#### **Performance properties**

Test	Result
Compressive Strength (after 6 hours)	>20 Mpa
Sag resistance test @27°C	No sagging
Tensile Strength ( After 3 Hrs )	>3 Mpa
Shear Strength ( After 3 Hrs )	>3 Mpa
Viscosity @ 25°C	2,00,000-3,00,000 Mpa
Density	1.50-1.60 gm/cc
Shear Strength	Min. 12 Mpa
Water absorption (after 24 hours)	0.30-0.50%

#### **Working properties**

Test	Result
Pot Life	Approx. 10 mins
Mixing Ratio(Resin : Hardener)	2:1
Clamping time	3 hours

Setting time	15 minutes
Handling Time	24 hours
Full cure time	72 Hours

### **Installation:**

#### ***Surface preparation***

The application substrate must be free from loose particles or any other foreign material prior to commencement of application of MagicBond Instafix. Use a damp sponge to wipe the tiles & stones to remove any extra particle which could come in the way of bonding of the surfaces. The substrate should be completely clean and dry before the application of MagicBond Instafix

Expansion joints needs to be created in between the tiles before starting the process.

#### ***Mixing***

- Mix 2 portion of resin with 1 portion of hardener.
- It is advised to mix the resin & the hardener for at least 2-3 minutes thoroughly until uniform colour is obtained with no lumps. Appropriate resin- hardener proportion & rigorous mixing will lead to optimum bond strength.
- Do not dilute the mix with solvents as it lowers the adhesiveness and affect the viscosity of the adhesive.
- The quantity mixed should be consumed within 30 minutes post which the mixture tends to thicken and become non workable. Put the cap back on the containers as prolonged exposure to air will lead to dry skin formation which affects the efficacy of the product.
- If the quantity is small, mix it with a margin trowel or putty knife whereas larger quantities should be mixed with an electric stirrer at low speed setting
- Maintain the temperature of the resin-hardener mix by keeping it away from extreme hot and cold sources.

#### ***Application***

Evenly distribute the adhesive on the backside of stones or tiles. It is recommended to apply minimum 5 dabs per sq. feet

(4 in each corners and 1 in the centre). Cover at least 10% area of each piece of stone or tile with the adhesive. The dab thickness should be 3 mm. The thickness of the application will increase as per the type of application. The tiles must be fixed within 5-10 mins of adhesive being applied.

#### ***Cleaning***

Clamps should be used for safety & removed after 2 - 3 hours. Excess adhesive needs to be cleaned with a damp sponge.