

## 3X Tile Bonder

### Product Description:

MagicBond –3X Tile Bonder is an onsite mix for improving the strength and workability of cement. Due to its high water retention property, when mixed with cement it enhances the bonding strength of mix by 3 times. It also provides better workability, sag resistance as well as appropriate setting time. Just 300 gms of 3X tile bonder is sufficient for 50 Kg cement bag.

### Advantages:

- 3X Bond Strength
- Anti-Sag Properties & High Open Time
- Improves Workability
- Better Adjustability Time
- Improves Adhesion
- No Shrinkage Cracks
- Zero Wastage
- Economical Solution for Tile Installation
- Environmentally Safe

### Suitable For:

Fixing all ceramic / vitrified tiles on conventional machan / leveling bed.

### Packaging:

Available in 300g pouch

### Colour:

White Powder

### Coverage:

2.0 - 2.5 sq. ft. / 1 kg

(Mix of Cement: Sand: 3X Tile Bonder: Water) at 3 mm thickness Coverage will vary depending upon the porosity of the substrate.

### Shelf Life:

Factory packed pouch of Magic Bond 3X Tile Bonder carries a shelf life of 12 months, 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:

- During cold weather, protect finished work from use until fully cured.
- Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water at least for 15 minutes and seek medical help if burning continues.
- Do not take internally. Fillers may cause serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas.
- Keep out of reach of children



## TECHNICAL DATA

### Performance Properties:

#### Pull-Off Adhesion

Tensile Adhesion Strength after 28 days	≥ 0.5 MPa
Shear Adhesion Strength after 28 days	≥ 1.0 MPa

### Working Properties:

Pot Life	>20 Minutes
Open Time	>10 Minutes

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.

### Application

- Cement: 1 Bag (50 kg)
- 3X Tile Bonder: 1 Pouch (300 gms)
- Water: 15Ltrs.

Take 10 ltrs of water in a clean vessel. Slowly, mix 1 Bag (50 kg) of Cement and 300 gms of 3X Tile Bonder to obtain a uniform lump free consistency. After that add 5 Ltrs. of Water to get a smooth paste. Water dosage can vary depending upon cement and sand available on site to achieve the desired consistency. A forced action mixer attached with paddle is recommended for mixing.

For hand-mixing, the total quantity of the mixture should be reduced to enough to ensure a soft and smooth, lump-free paste.

Use the mixed quantity within 30 minutes.

## INSTALLATION

### Surface Preparation:

The application surface/substrate must be clean, and free from dirt, oil, and grease before application of conventional machan. Expansion joints coinciding with joints in the substrate should be incorporated at the design stage with spacing at 5 mtrs maximum and it is not to be covered with tiles.

### Mixing:

MagicBond 3X Tile Bonder to be mixed with cement and/or sand for tile fixing.

### Cleaning:

Excess adhesive needs to be cleaned with a damp sponge.

