

# B07 TECHNICAL DATA SHEET

JUNE 24

## FEATURES AND BENEFITS

1. Comes as a single ingredient, just mix with water.
2. Designed for indoor use, made with polymers.
3. Affordable and easy to apply. Can be used in layers up to 12mm thick.

## INSTALLATION TYPES

### Substrates

- Concrete / Concrete Masonry
- Cement Mortar Beds / Plaster
- Ceramic Tile\* / Brick Masonry
- Cement Terrazzo
- \* Surface to be cleaned and roughened before installation

## SURFACE PREPARATION

This product is specifically made for use in dry indoor spaces. It's great for installing different types of ceramic tiles, tiles that absorb some water (semi-vitreous tiles), precast terrazzo (which is a type of decorative flooring material), and small natural stone tiles. You can use it on concrete floors and walls, as well as on various surfaces made from cement.

### Temperature and Condition

- The surface must be strong, clean, and

free from dirt, oil, grease, loose paint, laitance, concrete sealers, or curing compounds.

### Surface Checks and Adjustments

- Verify that the surface is level and straight.
- All surfaces should be true to plumb within ¼ inch (6 mm) over a 10-foot (3 m) span.

### Moisture Conditions

- For dry, dusty concrete or masonry, dampen the surface and sweep off any excess water. Installation can proceed on a damp surface.
- New concrete slabs should be damp-cured and allowed to cure for 28 days before application.

## MIXING PROCEDURE

**Mixing:** Place clean, drinkable water into a clean mixing bowl. Add Bandhan B07 powder to the bowl. Use around 5.5 to 6 liters of water for every 20 kg of powder.

Mix the powder and water by hand or with a slow-speed mixer until you achieve a smooth, spreadable consistency. Let the mixture sit for 5 minutes to allow it to thicken. If needed, adjust the consistency by adding a bit more water or powder.



Remix the mixture and apply it using a notched trowel of the appropriate size.

## APPLICATION PROCEDURE

### Prepare the Surface:

- Use the flat side of a trowel to apply Bandhan B07 adhesive to the substrate. Press firmly to ensure the adhesive works into the surface.

### Comb the Adhesive:

- Use the notched side of the trowel to spread additional adhesive. This helps create grooves for better tile adherence.
- Use the correct trowel notch size to ensure the tile is fully bedded in the adhesive.

### Placing the Tiles:

- Press the tiles into the wet, sticky adhesive. Use a beating block and rubber mallet to tap the tiles gently, ensuring they are well embedded and level.

### Checking Coverage:

- Periodically lift a tile to check if the adhesive covers the back of the tile completely.

### Using Spacers:

- Use spacers to create even grout joints between tiles. The width of the joints should follow the recommendations of your architect or engineer. Remove the spacers once the adhesive has set firmly.

### Replacing Skinned Adhesive:

If the adhesive surface becomes dry and loses stickiness, remove it and apply fresh adhesive.

### Grouting

**Curing Time:** Allow a minimum of 24 hours for the adhesive to cure before beginning the grouting process.

**Mixing Grout:** Use Bandhan B07 Sanded or Unsanded Grout mixed with Bandhan B07 Grout Admix Plus for grouting.

## COVERAGE

A 20 kg pack of B07 can cover approx 55-60 sft when applied with a 1/4 inch by 1/4 inch (6mm x 6mm) square-notched trowel, creating a 3mm thick layer. The actual coverage may vary based on the size of the trowel notches, the type and size of the tiles, and the smoothness and evenness of the surface being tiled.

## SHELF LIFE

Pot Life 3 - 4 hours

Time to Heavy Traffic 16 - 24 hours

Open Time : 20 Mins

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

| IS Data                   |                            |                             |
|---------------------------|----------------------------|-----------------------------|
| PROPERTY: TEST METHOD     | REQUIREMENT                | TYPICAL VALUES              |
| Tensile Adhesion Strength |                            |                             |
| Dry Condition             | Min 0.50 N/mm <sup>2</sup> | 0.65-0.75 N/mm <sup>2</sup> |
| Shear Adhesion            |                            |                             |
| Dry Condition             | Min 1.00 N/mm <sup>2</sup> | 1.10-1.20 N/mm <sup>2</sup> |