



# HIPPO BOND

— Tile & Stone Solutions —

## H-3 Stone Fix Data Sheet

### Description

- Stone Fix H-3 is a polymer-modified, cement-based, high-performance, high-strength, high-quality tile adhesive developed to fix large-sized tiles/slabs of granite, marble, and stone. It is suitable for both internal and external applications and is engineered for thin bed use.

### Specification

- Type: 2 C2TE (based on IS 15477 AND EN 1348 standards).

### Features & Benefits

- Excellent bond strength
- No shrinkage
- Nil wastage
- Single component – no mixing hassle
- High slip resistance
- Easy to spread
- No curing required
- Consistent quality

### Areas of Application

- Stone Fix H-3 is recommended for fixing large sized tiles/slabs of granite, marble, stone wall cladding, and flooring. It can be used over cementitious substrates only.



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## Method of application

- Fixing large-sized tiles/slabs of granite, marble, and stone
- Tile-on-tile applications
- Glass-on-mosaic and old cement floor areas
- Vertical and horizontal surface applications

## Surface Preparation

- Prepare the surfaces before the tile adhesive application by removing oil, bond-inhibiting agents, dirt, dust, and laitance. The cleaning can be carried out using suitable methods such as wire brushing, water jetting, mopping, etc.
- Stone Fix H-3 is recommended over vertical surfaces, and Stone Fix H-3 for horizontal floor areas to level the surface in case of higher undulations, or for any repair works, to attain a flat, stable, and normally absorbent background prior to Stone Fix H-3 application.

## Mixing

### Mixing Instructions

- Mix 4 parts of tile adhesive with 1 part water (25% by weight)
  - Use mechanical stirring for 2–3 minutes to ensure a consistency free of lumps
  - Allow the mix to stand for 2 minutes for it to mature, then remix before use
- Note:** Do not add extra water to alter the mix consistency or to extend the pot life. Further water additions will hamper the adhesion strength of the tile adhesive.



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## Application Method

- Apply the mixed Stone Fix H-3 to the prepared substrate using the appropriate notch trowel for the size of the tiles being laid.
- A minimum of 6 mm bed thickness of tile adhesive for walls and floors must be achieved.
- Lay tiles onto the adhesive, firmly press the tile onto the adhesive to ensure good initial bonding, and do not disturb tiles until the adhesive has set.
- No pre-wetting of tiles is required while using Stone Fix H-3.
- It is recommended to fix the tiles within 30 minutes of spreading of Stone Fix H-3 to achieve adequate bonding as per the technical data provided.
- Any tile fixing after 30 minutes will lead to improper adhesion and may result in the de-bonding of tiles.
- For vertical area applications, tiling should start from bottom to top.
- For tile-on-tile, glass-on-mosaic, tile-on-old cement floor application, care should be taken to prepare the existing base with adequate interlocking friction effect by removing polish/wax/top smooth layers.

## Technical Data

TECHNICAL PARAMETERS (AS PER IS 15477)

BULK DENSITY	1450-1550 KG/M3
WATER POWDER RATIO	25%
POT LIFE	1 HOUR
OPEN TIME	30 MINUTES
ADJUSTABLE TIME	30 MINUTES
USAGE TIME POST APPLICATION	24 HOURS
COMPRESSIVE STRENGTH@28DAYS	7-8 N/MM2
SLIP RESISTANCE@40KG/M2	0MM
COVERAGE@6MM PER KG	2 SQ.FT.



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## TECHNICAL PARAMETERS (AS PER IS 15477)

SHEAR ADHESION	STD.AS PER IS15477
DRY CONDITION@24HOURS	5-6 KN
Dry conditions 14 days	10-11 KN
Wet conditions	6-7 KN
Heat ageing conditions	6-7 KN

Tensile adhesion@28 days	N
Dry condition	900-950 N
Wet condition	700-800 N

## Packaging

- Available in 20 kg bags

## Shelf Life

- Stone Fix H-3 has 12 months from the date of manufacture when stored in a cool, dry place



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## Precautions

Not suitable for:

- Flexible substrates (e.g., fibrous cement sheeting, plasterboard, timber)
- Direct tiling on timber, plywood, or glass
- Direct tiling on metals or plastic substrates
- Direct tiling onto polyurethane membranes
- Moisture-sensitive tiles or stone
- Avoid mixing or applying adhesives in temperatures below 5°C or above 50°C
- Avoid application in extreme hot or windy conditions

## Notes

- Allow a minimum of 24 hours before using the tile-fixed areas
- Do not tile if the temperature is likely to drop below 5°C or exceed 50°C
- For temperatures below 20°C, allow the adhesive to cure for an extended period of time
- Pot life, open time, and adjusting time depend on surface absorption, wind factor, temperature and humidity at the site
- The technical data provided in this sheet is based on internal lab testing and may vary from actual site applications
- Consult HIPPO Products Division Technical Services Cell for further assistance

## Safety directions

- Non-toxic and non-flammable
- Use gloves and goggles while handling
- Rinse with water if in contact with eyes or skin
- Seek medical advice if irritation persists

## Disclaimer

- Information provided on this data sheet is the guideline for usage. Users are advised to undertake a trial for product suitability prior to its full scale usage.
- There is no implied guaranty/warranty for the results and the company is not liable for any consequential damages.

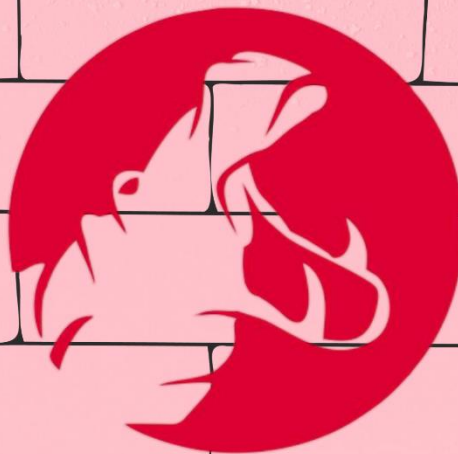


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## Areas Of Application

Areas	Application
Walls	Yes
Floors	Yes
Interiors	Yes
Bricks	Yes



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