



# HIPPO BOND

— Tile & Stone Solutions —

## H-1 Esay Fix Data Sheet

### Description

- Esay Fix H-1 is a polymer-modified, cement based, high performance, high strength, high-quality tile adhesive developed to fix all types of tiles in floor tile applications. Suitable for both internal and external, thin bed applications.

### Specification

- Type:1 C1T (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
- Consistent quality

### Areas Of Application

- Esay Fix H-1 is recommended for fixing all types of tiles over floors in bathrooms, kitchen areas and in any floor tile fixing applications. It can be used over cementitious substrates only.



# HIPPO BOND

— Tile & Stone Solutions —

## Method Of Application

### 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 with suitable methods like as using a wire brush, water jetting, mopping, etc.
- Esay Fix H-1 is recommended for horizontal floor areas to level the surface in case of higher undulations or for any repair works to attain the flat, stable and normal absorption background prior to Esay H-1 application.

## Mixing

### Mixing instruction

- Mix 4 parts tile adhesive with 1 part water (25% by weight)
- Use a mechanical stirrer for 2–3 minutes to achieve lump-free consistency
- Let the mix stand for 2 minutes, then remix before application

Note: Do not add extra water to alter consistency or extend pot life. Additional water may compromise the adhesion strength of the adhesive.

## Application

- Apply the mixed Esay Fix H-1 to the prepared substrate using the appropriate notch trowel for the size of the tiles being laid.
- A minimum of 3 mm bed thickness of tile adhesive for walls and a minimum of 3 mm for 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 Esay Fix H-1.
- It is recommended to fix the tiles within 30 minutes of spreading of Esay Fix H-1 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.



# HIPPO BOND

— Tile & Stone Solutions —

## 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	6-7 n/MM2
SLIP RESISTANCE@20KG/M2	0MM
COVERAGE@3MM PER KG	4 SQ.FT.

SHEAR ADHESION: STD.AS PER IS15477 H-1 | STAN.AS PER EN 12004 H-1

	KN	KN	MPa	MPa
DRY CONDITION@24HOURS	2.5	6.5	>0.5	0.7
Dry conditions 14 days	8	12	>0.5	0.7
Wet conditions	4	7	>0.5	0.7
Heat ageing conditions	4	6.5	>0.5	0.7

Tensile Adhesion	N	N	MPa	MPa
Dry condition	700	900	>0.5	0.6
Wet condition	450	750	>0.5	0.6



# HIPPO BOND

— Tile & Stone Solutions —

## Packaging

- 20 kg

## Shelf Life

- Esay Fix H-1 has 12 months from the date of manufacture when stored in a cool, dry place.

## 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



# HIPPO BOND

— Tile & Stone Solutions —

## Note:

- ◆ 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 guarantee or warranty for the results, and the company is not liable for any consequential damages.

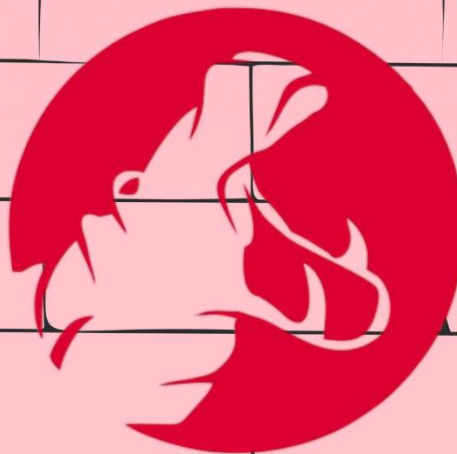


# HIPPO BOND

— Tile & Stone Solutions —

## Areas Of Application

Areas	Application
Walls	Yes
Floors	Yes
Interiors	Yes



**HIPPO BOND INDUSTRIES LLP**