

ShaliTile[®] Fix 100



Hydraulic polymer modified mineral adhesive for fixing tiles

STP Limited

Description

ShaliTile[®] Fix 100 is a single component, pre-packed, tile adhesive mortar consisting of cement, selected grades of silica and additives.

ShaliTile[®] Fix 100 has good bonding and consistency and can be used for fixing different kind of ceramic & vitrified floor tiles for interior application.

ShaliTile[®] Fix 100 needs addition of water only before preparation of bed for fixing tiles. It conforms to IS:15477-Type 2 & EN 12004-C1T: normal set cementitious adhesive (C1).

Characteristics

Texture	Powder	Curing time @ 35°C, hrs.	24
Pot life, @ 20°C, minutes	120	Bulk Density, kg / m ³	1620 approx.
Theoretical coverage*, m ² , 20 kg bag	6.5 to 7.5 For 2 mm thickness	Bedding Thickness	2 to 6 mm

*Depending upon surface condition

Parameters as per IS: 15477-2019

Parameters as per EN: 12004-2017

Test Method	Requirement	Typical Result	Test Method	Requirement	Typical Result
Tensile Adhesion Strength (as per Annex A), N / mm ² Dry condition	0.5	0.65	Tensile Adhesion Strength (Clause 8.3), N / mm ² Initial	≥ 0.50	> 0.65
Shear Adhesion Strength (as per Annex A), N / mm ² Dry condition	1	1.25	Open time @ 20 mins: Tensile Adhesion Strength, N / mm	≥ 0.50	0.52
Open time (as per Annex C), minutes	As per Mfr.	10	Slip (T) (Clause 8.2), mm	≤ 0.55	0.25
Adjustment time (as per Annex D) Slip (as per Annex E), minutes	As per Mfr.	5			
Slip (as per annex E), mm	Slip (as per annex E)	0.25			

Application

- Small format Ceramic & Clay tiles
- Reconstituted stones
- Over concrete / masonry, cementitious plaster and render

Advantages

- Pre-packed adhesive mortar, which needs mixing of only water at site.
- High bond strength. Ideal for vertical / horizontal applications of ceramic & clay tiles.
- Waterproof and self-curing.
- Can be used for interior / exterior concrete / plastered surface.

Application Methodology

➤ Surface Preparation

- Ensure that application surface is clean, dry, structurally sound, free of all grease, oil, dirt, dust, and other foreign matter.

- Prepare the surface mechanically by cleaning with wire brush ensuring sufficient flatness of the substrate for ensuring the uniformity of the coverage of adhesive.
- Moist the prepared surface before laying of **ShaliTile® Fix 100**.
- **Material Preparation**
 - Add **ShaliTile® Fix 100** into water in the ratio of 4 : 1 by volume.
 - Take 2/3rd of the desired water quantity and slowly add **ShaliTile® Fix 100**, while mixing with a slow speed mechanical mixture.
 - On achieving the consistent mix, add remaining 1/3rd water and continue mixing with slow speed mechanical mixture till desired consistency for preparation of bed is achieved.
 - Wait for 5 minutes and then begin laying the bed for fixing tiles.
- **Application of Material**
 - The mixed adhesive is applied to the prepared surface with a trowel and then combed through with a suitably sized square toothed notched trowel to achieve the minimum 2 mm thickness.
 - Apply **ShaliTile Fix® 100** on the substrate as per the requirement which can be applied within its open time.
 - Press firmly the tile onto the substrate for few seconds to ensure good contact with the adhesive.
 - For better adhesion, apply **ShaliTile® Fix 100** on back of tile as well as on substrate.
 - Remove and clean excessive adhesive from the tile faces and joints.

Limitation

- Do not apply **ShaliTile® Fix 100** over wood, asphalt sheeting, vinyl covered wall board, cement asbestos board, metal, glass, plastic, or gypsum mortar beds.
- Apply **ShaliTile® Fix 100** when the ambient temperature is between 4 - 40°C.

Cleaning

Clean all tools immediately after use with water. Do not allow material to harden.

Health & Safety

- Avoid contact with skin / eyes and avoid swallowing.
- Ensure adequate ventilation and avoid inhalation of vapour.
- Wear suitable protective clothing, gloves and eye protection.
- In case of skin contact, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of eye contact, wash with plenty of clean water and seek medical advice.
- If swallowed, seek medical attention immediately. Do not induce vomiting.

Packing

Available in 20 kg bag.

Storage

Store in a cool dry place under shed away from heat.

Shelf Life

6 months in original unopened sealed condition.



STP Limited
Enhancing Structures' Life

Product Range

- Waterproofing and Insulation
- Road Surfacing
- Sealants and Additives
- Pipeline Coating
- Protective / Anti-Corrosive Coating
- Epoxy Flooring
- Grouts / Admixtures
- RestoFix- Repair / Rehabilitation
- Other Construction Chemicals



Advisory Cell: +91 81302 81114