



FOR INTERNAL
AND EXTERNAL USE



FASTER INSTALLATION



FASTER INSTALLATION
WITH LESS MANPOWER

FC TILEGLUE 1.0

TECHNICAL DATA SHEET

DEC 2022



SIMPLE AND MASON
FRIENDLY MATERIAL



BETTER COVERAGE



ECONOMICAL



**TRUSTED BY
THE BEST**



POLYMER MODIFIED SINGLE COMPONENT CEMENTITIOUS ADHESIVE FOR THE INTERIOR INSTALLATION OF CERAMIC TILES ON WALL AND SMALL FORMAT VITRIFIED TILES AND STONES ON FLOOR WITH A MAXIMUM BED THICKNESS OF 12MM





FEATURES AND BENEFITS

1. Suitable for Interior applications, Polymer modified adhesive
2. Just mix with specified water ratio
3. Consistent Quality
4. Self-curing – No curing required, enriched with water retention technology
5. Faster installation with less man power – saves time and labour
6. Simple and mason-friendly material
7. Better open time, adjustable time, pot life
8. Economical and provides good coverage



INSTALLATION TYPES

Substrates

1. Concrete
2. Concrete Masonry
3. Cement Mortar Beds
4. Cement Plaster



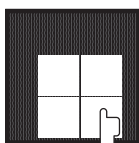
CERTIFICATION

1. EN 12004 – C1T
2. IS 15477:2019 – Type 1T
3. ANSI 118.1T



APPLICATION PROCEDURE

Surface Preparation: All the surfaces should be clean, dry, and free from dust, oil, grease, loosely bonded particles, peeling paints, concrete sealers and structurally sound. The surface should be valid to the plumb. Uneven or rough surfaces should be made even and smooth with FC PLASTWELL/FC READYSCREED to provide a better flat finish. Dampen the dry, dusty concrete/masonry and surfaces heated from exposure to sunlight with water, and sweep off the excess water, if any. Allow 28 days for walls and floor surfaces to cure before tiling. Existing tiles must be roughed and cleaned.



INSTALLATION PROCEDURE

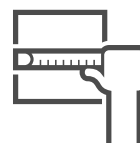
Apply a thin layer of **FC TILEGLUE 1.0** adhesive to the substrate using the straight edge of the trowel. Place the material over the applied thin layer and comb the adhesive with the notched side of the trowel. Spread as much adhesive as can be covered with tile in 15 minutes. If the tile/stone size is $\geq 2' \times 2'$, back buttering is mandatory to provide full bedding and firm support. It is recommended to use a proper-sized notch trowel to ensure the full bedding of the tile/stone.

Place the tile over the applied wet and sticky adhesive and beat it using a rubber hammer or mallet to install it under firm pressure to ensure good adhesive coverage. Periodically, check the **FC TILEGLUE 1.0** adhesive transfer on the back side of the tile by removing the tile. If the adhesive is



MIXING PROCEDURE

Mixing: Take 5-6 litres of clean potable water per 20 kg **FC TILEGLUE 1.0** into a clean mixing bowl. Add the adhesive powder into the mixing bowl and mix the material by hand or with a slow-speed mixer until a smooth, lump-free paste is obtained. Allow the adhesive to slake for 5 minutes. Adjust the consistency of the material accordingly, if necessary. Remix the adhesive before the application and apply with the proper-sized notch trowel. The paste should be kept away from direct sunlight and heat.



COVERAGE

Approximately 55-60 sft per 20 kg bag with 6mm*6mm square notched trowel
*Coverage will depend on the trowel notch size, evenness and smoothness of the substrate, type and size of tile and weather conditions



TECHNICAL DATA

Product	:	FC TILEGLUE 1.0
Color	:	Grey
Pack Size	:	20 KG (Powder)

Application Data at 25±2°C & 60±5% RH

Open Time in minutes*	:	20 Minutes
Adjustable Time in minutes	:	20 Minutes
Pot Life in hours	:	3 - 4 Hours
Time to light foot traffic	:	16-24 Hours
Application Temperature	:	+5°C to +40°C

*Open time may vary depending up on the site and atmospheric conditions

EN 12004 C1T		
TEST PARAMETER	STANDARD REQUIREMENT	PRODUCT PERFORMANCE
Open Time (EN 1346)	≥0.50 N/mm ²	0.75 - 0.79
Slip Resistance (EN 1308)	≤0.50 mm	0.10 - 0.20

Tensile Adhesion Strength in N/mm ²		
Air Curing EN 1348; Cl 8.2	≥0.50 N/mm ²	0.80 - 0.90
Water Curing EN 1348; Cl 8.3	≥0.50 N/mm ²	0.70 - 0.80
Heat Curing EN 1348; Cl 8.4	≥0.50 N/mm ²	0.65 - 0.75
Freeze-thaw EN 1348; Cl 8.5	≥0.50 N/mm ²	0.70 - 0.80

IS 15477:2019 - Type 1/T		
Tensile Adhesion Strength in N/mm ²		
Dry Condition	≥0.50 N/mm ²	0.80 - 0.90

Shear Adhesion Strength in N/mm ²		
Dry Condition	≥0.50 N/mm ²	1.30 - 1.40

Slip Resistance		
Slip Resistance Annexe (Clause 5.5)	≤0.50 mm	0.10 - 0.20



PRECAUTIONS

Although **FC TILEGLUE 1.0** is non-hazardous material, as it contains Portland Cement one should take the following precautions should be taken:

- It is recommended to use the N95 nose mask, gloves and goggles while handling the material
- Keep out of reach of the children
- In case of contact with eyes, rinse your eyes with plenty of water and consult a doctor immediately

For further and complete information about our product's safe use, please refer to the latest version of our material safety data sheet.



LIMITATIONS

- For laying tiles on the floor, the surface should be structurally sound (28 days curing) & good condition
- Always add powder to water & never add water to powder
- Do not add excess water than recommended
- Never add sand & cement to the mix at the site
- Not recommended for Tile-on-Tile application
- Strictly not recommended for tiling on metal, wood, paint and gypsum plaster
- Do not use for vertical cladding of heavy stone & tiles



GROUTS

Grouting can be done after 24 hours of installation for best results.



CLEANING

The tools and containers should be cleaned with plenty of water while the adhesive is still fresh. The surfaces should be cleaned with a damp cloth before the adhesive dries.



SHELF LIFE

12 months from the date of manufacturing in the original unopened manufacturer's packaging.



STORAGE

Store in dry place away from the moisture



CUSTOMER CARE

For any suggestion or concerns, please mail to reachus@firstchoicereadymix.in.

For any other product related queries please contact **1800 202 5567**



firstchoice
ready mix

Scan the QR code to know more
about our other products



Manufacturer Details: A product of

firstchoice[®]
ready mix

MANUFACTURED AND PACKED AT:

- BIHAR - PATNA • JHARKHAND - JAMSHEDPUR • ODISHA - BHUBANESWAR
- TELANGANA - HYDERABAD • WEST BENGAL - KOLKATA, BARDHAMAN, JALPAIGURI

Disclaimer

Information given in the data sheet is only a guideline for usage. Users are advised to undertake 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.