

FC-EPOXY ADHESIVE

FC-EPOXY ADHESIVE is three component, high performance epoxy resin based adhesive and grout.

Specification:

FC-EPOXY ADHESIVE is designed for fixing and grouting tiles and stones on metal or fiber glass surfaces. Also suitable for installation of natural stones and agglomerates that have a tendency to stain or warp when installed with water based adhesives.

Use:

- Fixing tiles in Swimming Pools
- Fixing of moisture sensitive stones and marbles
- -Fixing tiles and stones on impervious surfaces like metal.
- Suitable for internal & external applications

Advantages:

- Suitable for fixing tiles on vertical surfaces
- Resistant to chemicals and a variety of acids
- Protects moisture-sensitive substrates from water and moisture
- High mechanical strength and good adhesion
- Good pot life and easy to grout joint width from 2 to 10 mm
- Available in Grey and White.

Packaging:

FC-EPOXY ADHESIVE is supplied in 4.50 Kg.

Coverage:

The coverage rate is strongly influenced by the substrate condition, tile type and application technique.
FC-EPOXY ADHESIVE is 1.3 m²/Kit /2mm thick

Manufactures of Epoxy/ Polyurethane Floor Coatings.

R-15, Balaji Industrial Park, Village – Tondare, Behind Water Supply Tank, MIDC Taloja, Navi Mumbai,
Maharashtra, India – 410 208. Phone : +91- 97022 68654 / +91-8928591728
Email : floorscoat@gmail.com Web : epoxyfloorcoats.com

Technical Properties:

| PROPERTIES | SPECIFICATION | RESULTS |
|-------------------------|---------------|-----------------------|
| Appearance | | Colored paste Liquid |
| Density Kg/Ltr | | 1.62 ± 1 |
| Pot Life @25°C | | 45 Min |
| Open time at 25°C | | 20 – 25 Min |
| Application Temperature | | 30°C to 50°C |
| Bond Strength | | 1.5 N/mm ² |
| Compressive Strength | | 65 N/mm ² |
| Tensile Strength | | 15 N/mm ² |
| Flexural Strength | | 25 ± 1 |
| Water Absorption | | Nil |
| Shore D Hardness | | 70 |
| Full Cure | | 7 Days |

Application Procedure:

Surface preparation:

The surface being must be clean, firm and free of dust, dirt, oil, grease, curing compounds, release agents and other barrier materials. It should be being sound and strong enough to support the weight of the tiles or stone being fixed. Ensure surfaces are dry before tiling, with no residue or permanent dampness. Metal surfaces have to prepare as per surface preparation to SA 2½ profile.

Mixing:

Add Part B to Part A in a suitable, clean container and thoroughly mix together using a slow speed (less than 300 rpm) electric drill mixer. Slowly add Part C and mix until a uniform colour is achieved.

Bedding:

Apply the mixed FC-EPOXY ADHESIVE to the substrate using a suitable sized notch trowel (4mm or 6mm) depending on the size and thickness of the tile. For large format tiles, solid bed fixing can be achieved by back buttering the tile with a thin layer of FC-EPOXY ADHESIVE before fixing into the notched bed. The adhesive will have adjustability time up to about 25 minutes and harden after 45 minutes. Tiles/stones

Manufactures of Epoxy/ Polyurethane Floor Coatings.

R-15, Balaji Industrial Park, Village – Tondare, Behind Water Supply Tank, MIDC Taloja, Navi Mumbai,
Maharashtra, India – 410 208. Phone : +91- 97022 68654 / +91-8928591728
Email : floorscoat@gmail.com Web : epoxyfloorcoats.com

should be pressed into place and properly aligned; ensuring full contact with the adhesive. A minimum tile joint width of 2mm must be left for the grouting and 3mm where thicker tiles are used.

Grouting:

Grouting can proceed once FC-Epoxy Adhesive has hardened sufficiently so that tiles will not be dislodged, approximately after 8 hours (at 23°C and 50% relative humidity). Allow longer for low temperatures. Joint width: 2-10mm Protect the finished surface from traffic during its drying time atleast for 24 hours. For facades and applications involving heavy tile or stone on the wall, we strongly recommend the use of additional mechanical fixing.

For fully immersed situations, before water is filled we recommend a minimum cure time of 48 hours (at 23°C and 50% relative humidity).

Storage and Shelf life:

Store under cover, out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air-conditioned environment.

Shelf life is 12 months when stored as above.

Safety precautions:

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs (which can also be tainted with vapour until product fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use. Do not reuse containers for storage of consumable item.

Disclaimer:

Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control.

Manufactures of Epoxy/ Polyurethane Floor Coatings.

R-15, Balaji Industrial Park, Village – Tondare, Behind Water Supply Tank, MIDC Taloja, Navi Mumbai,
Maharashtra, India – 410 208. Phone : +91- 97022 68654 / +91-8928591728
Email : floorscoat@gmail.com Web : epoxyfloorcoats.com