

MAXTREAT[®] GLUE

Epoxy Resin Based Adhesive for Maxtreat (FRP) Laminate System



Two-component product based on epoxy-ammino, charged with fillers and pigments, formulated as adhesive which cures at room temperatures.

Uses

Maxtreat[®] Glue is used as an adhesive for the Maxtreat[®] Laminate System used in the repair or restoration of structures.

Benefits

- High strength
- Non-slump
- High bond strength
- Chemical Resistant
- Impact Resistant
- Non-shrink
- High thixotropy
- High reactivity
- High mechanical resistance

Properties

Performance Characteristics

Tensile Strength at 7 days (ASTM D 638)	>15 MPa
Tensile Modulus at 7 days (ASTM D 638)	>5 GPa
Flexural Modulus at 7 days (ASTM D 790)	>5 GPa
Flexural Strength at 7 days (ASTM D 790)	>40 MPa
Compressive Strength at 7 days (ASTM C 579)	>50 MPa
Bond Strength	>2 MPa (Concrete Failure)
Slant Shear Bond Strength	>11 MPa

Applicative Characteristics

Composition	Two-part
Types of Resin	Epoxy
Solids by Volume	~100%
Mixed Density	Approx. 1.8 gm/cc
Pot Life @ 25°C	30-40 minutes

Instructions for Use

Surface Preparation

Prior to the application of the adhesive, it is necessary to verify the condition of the cementitious substrate: it must be clean and oil free, without fats, delaminating particles and free from cracks and discontinuities. The preparation of the substrate should be done choosing the proper following procedures:

- Elimination with proper equipment of the superficial dust when the substrate seems in good condition. Vacuuming and/or washing with pressured water is always recommended.
- Repair or level with cement based mortars or resin based materials, when the substrate has cracks or anomalies. In any case, apply the coating only on de-dusted and sound substrates.
- Sandblast or shot blast with steel abrasive grit is needed in case of non-cohesive parts. Avoid the application on substrates contaminated with oil and/or grease.

Mixing

The base and hardener into a suitable container shall be emptied and mixed with a paddle and slow speed heavy duty drill, ensuring the sides are scraped down. A uniform grey colour should be obtained after mixing thoroughly.

Application

The mixed adhesive is applied to both surfaces i.e. concrete & carbon fibre plate and is pressed in position & held in position by using adhesive tapes or any suitable methods for a few hours.

IMPORTANT: When the room temperature and the substrate are less than 10°C, it is necessary to heat separately the 2 components of the product to a maximum temperature of 30°C in order to maintain the product mellowness and the better applicability.

MAXTREAT[®] GLUE

Limitations

For applications to substrate surfaces, at extreme climatic conditions or use other than those indicated in the product sheet, please contact your local THERMAX representative or our Technical Department for further information.

Health & Safety Instructions

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.

For further information refer to the material safety data sheet. MSDS available on demand.

Storage

Shelf Life

All the above products have a shelf life of 12 months if stored in unopened containers below 35°C.

Packing

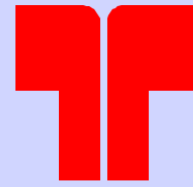
2 ltr. Pack

Other Segments:

- Concrete Admixtures • Surface Treatments • Grouts & Anchors • Repair & Rehabilitation
- Protective Coatings • Industrial Flooring • Waterproofing • Sealants • Adhesives

Disclaimer: The information contained in this document is true and accurate to the best of our knowledge and is based on our experience & test results. It is always the Company's endeavor to give true and accurate information however as it does not have any direct and/or continuing control on the use of the Products, the Company cannot accept any liability, direct or indirect as a consequence of the use of Products. In the event of any doubt upon any critical parameter it is advisable to seek clarification from our technical representative.

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