

Epoxy Adhesive CFT

Adhesive for Carbon Fiber Textile

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| Description | Thixotropic two components, solvent free Epoxy Adhesive suitable for both horizontal and vertical impregnation of Carbon Fiber textile, Manufactured to Prokem by ADCOS (U.S.A). |
| Where to use | <ul style="list-style-type: none"> • Where to use Structural adhesive: • CFRP Textiles to concrete and timber. • Concrete elements, Bricks & Masonry. |
| Advantages | <ul style="list-style-type: none"> • Solvent - Free, Non – Sag • Excellent adhesion. • Easy to apply. • Shrinkage - free. • Good temperature resistance. |
| Properties | |
| Density | 1.55 ±0.05 Kg/L |
| Pot life @ 23 °C | 30 minutes |
| Modulus of Elasticity | 2500 N/mm ² |
| Adhesion to concrete | > 3 N/mm ² |
| Compressive Strength | >60 N/mm ² |
| Tensile Strength | 30-35 N/mm ² |
| Flexure Strength | 40 - 45 N/mm ² |
| Surface Preparation | <ul style="list-style-type: none"> • Substrates should be clean, dry and free from oil, grease and laitance. • Substrates should be prepared with sand blasting or mechanical grinding. • Concrete adhesive strength should not be less than 1.5 N/mm² and max. surface moisture is 4 – 5 %. |
| Mixing | <ul style="list-style-type: none"> • Stir materials well in its original containers. • Add Component (B) to component (A) and mix for 2 - 3 minutes with an electric mixer until homogeneous mix is obtained. |
| Application | <ul style="list-style-type: none"> • Apply the 1st layer of the adhesive on the structure with a roller or brush. • Dry process (200 - 300 gm./m²): push the textile in the adhesive with a profiled roller • Wet process (> 300 gm./m²): position the textile in the resin and press well using a disc roller. • Make sure all air-inclusions are removed. • Apply the 2nd coat. • Make sure the textile is fully impregnated (wet) |
| Theoretical coverage | 0.6-1.2 Kg/m ² depending on surface roughness, porosity and weight of carbon textile. |
| Packaging | 5 & 20 Kg (A+B) Cans |
| Shelf life & Storage | 12 months in its original unopened packs stored in appropriate conditions . |
| Cleaning | All tools must be immediately cleaned with Prokem Solvent |
| Health and Safety | <ul style="list-style-type: none"> • Use gloves when handling chemical products. • Apply forced ventilation in confined spaces. • Eye splashes to be washed with plenty of water. |
| Additional Information | <p>PROKEM provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure.</p> <p>PROKEM designs tailor made products should there be critical application that requires specific properties rather than our main range. For our customer's satisfaction, PROKEM reserves the right to change the properties of its products.</p> <p>All orders are accepted subject to our current term of sale & delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request.</p> <p>PROKEM extends technical services to include after sales support to assist users in a proper handling of our products.</p> |