



DRI-POXY EP 330

Thixotropic, two-component, epoxy impregnating resin for carbon fibre structural fabrics

2-part, thixotropic, epoxy-based impregnating / laminating resin and adhesive that is specially designed to be used with carbon fibre structural strengthening fabrics in hot and tropical climate conditions.

FEATURES/BENEFITS

- Clean & easy application, especially for vertical and overhead surfaces
- No separate primer needed
- Application by trowel, impregnation roller or manual saturation methods
- High adhesion strength to various substrates
- High mechanical properties

APPLICATION AREAS

- Carbon fibre structural fabric reinforcement dry application method
- As a substrate primer for wet application method for structural adhesive for bonding carbon fibre strengthening plates

PRODUCT DATA

Appearance	Part A: White Part B: Black Mixed: Light grey
Packaging	30 kg set
Storage	12 months from date of production
Storage Condition	Store in original, unopened, sealed and undamaged packaging in dry conditions at temperature between 5 – 30 °C. Protect from direct sunlight.

TECHNICAL DATA

Origin	Epoxy
Specific Gravity	1.30 ± 0.10
Mixing Ratio	4:1 by weight (Part A : Part B)
Modulus of Elasticity in Flexure (EN 1465)	~3.8 kN/mm ² (7 days @ 23 °C)
Tensile Strength (ISO 527)	~30 N/mm ² (7 days @ 23 °C)
Modulus of Elasticity in Tension (ISO 527)	~4.5 kN/mm ² (7 days @ 23 °C)
Tensile Adhesion Strength (EN 4624)	>4 N/mm ² (concrete)

APPLICATION INFORMATION

Application Temperature	-5 – 45 °C
Pot Life	~ 35 minutes (30 °C)
Open Time	~35 minutes (30 °C)
Curing Time	30 days (30 °C); T _g +58 °C (EN12614)
Typical Consumption	~0.7 – 1.5 kg/m ²
Cleaning	With Dritech Thinner No. 2 while still within pot life. Cured material can only be removed using chemical remover / mechanical means.

Note: Dri-Poxy EP 330 should be used by experienced professionals only.

SUBSTRATE

Substrate preparation should be done in accordance to the engineer's Method Statement in accordance to the required dry application method.

MIXING

Mix Part A+B for at least 3 minutes using a mixing spindle attached to a slow speed mixing drill (max. 300 rpm) until compound is homogeneous in consistency and colour.

Avoid aeration while mixing. Then, pour the whole mix into a clean container and stir again for approx. 1 minute at low speed to keep air entrapment at a minimum. Mix only quantities that can be used within pot life.

Ensure mixing is done in correct mixing ratio.

APPLICATION

Refer to engineer's Method Statement and apply in accordance with the required dry application method.

LIMITATION

- Use only under proper instructions from consultant / structural engineer calculations & guidelines.
- Product is formulated to have low creep under permanent loading. However, due to creep behaviour of polymers under load, long-term structural design load should account for creep. Generally, long-term structural design load must be lower than 20 – 25% of failure load. Consult a qualified structural engineer for load calculations for the specific application.
- At low temperatures and/or high relative humidity, a tacky residue may form on the surface of the cured product. Ensure the residue is removed (with warm, soapy water) prior to the application of any subsequent layer to ensure sufficient bonding between layers.
- Dry the surface of the cured product should it become wet or damp prior to applying any subsequent layers or coating.
- Protect from rain for min. 24 hours after application.
- Ensure placement of fabric and laminating with roller takes place within open time.
- For application in cold or hot conditions, pre-condition material for 24 hours in temperature-controlled storage facilities to improve mixing, application, and pot life limits.

HEALTH & SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTE

The information, and, in particular, the recommendations relating to the application and end-use of these products, are given in good faith based on current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance to the manufacturer recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. The manufacturer reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and 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.