

eile EPX 33

Epoxy Adhesive Designed for Carbon Fibre Fabric

Description: It's a two-component, epoxy based adhesive designed for carbon fibre fabric.

Areas of Usage: It's used to adhere carbon fibre fabrics.

Features of Product

- *Its mechanical strength is high.
- *It is pasty and easy to apply.
- *No sagging on vertical applications.
- *It is solvent free.

Application Procedure

Surface Preparation: Before application, the surface should be cleaned from materials which may prevent adherence such as dust, oil and paint. Cracks-gaps, carbonated or corroded parts on the surfaces should be repaired. The edges should be rounded with 10 mm diameter at least. Use cement based corrosion preventive **eile SNS 804** and repair mortar **eile TH 70** for repairs. The tensile strength of the application surface should be 1 N/mm² at least. During application, the moisture rate of the surface should not exceed 5%.

Mixing: B component is added into A component and there is no material in B component. The mixture is mixed for 3-4 minutes with a low speed mixer until it gets homogeneous grey colour and it's ready to use.

Mixture Rate: A:B 5/1,6

Application Method: Carboshield should be cut with an appropriate scissors or utility knife. After **eile EPX 33** is applied on the surface with a roller, Carbonshield is applied by stretching in the direction of the fibres. In order **eile EPX 33** epoxy adhesive not to go out from fibres and not to have an air gap, a pressure should be done with a roller on fibres. Then, **eile EPX 33** adhesive should be applied again and the material should be laminated between two-coat epoxy.

Safety Recommendations: Please wear the coveralls, protective gloves, glasses and mask suitable for occupational health and safety. Make sure that it does not contact the skin and the eyes; in case it does, wash with plenty of water. In case swallowed, contact the closest health care institution immediately. Keep out of the reach of children. Keep food and drinks away from the application areas.

Responsibility: In case the recommendations and application conditions specified above are not conformed, the applications (misuse) do not fall under the responsibility of **POMZA EXPORT A.Ş.**, the producer of **eile POMEX** branded products. The user is responsible for whether the product is used in accordance with its purpose, as well as the validity of application conditions and forms. **eile Pomex Construction Chemicals** does not accept any indemnity claim concerning the results, work accidents, direct or indirect damages or losses due to the misapplication of the products.

Note: **eile POMEX** reserves the right to improve/revise the product and this technical document over time. This Technical Data Sheet supersedes the former Technical Data Sheet released for this product. The user must make sure that the available technical document is the latest updated version. If necessary, our company must be contacted to inquire the updating status of the document. AUGUST 2014

Points to take into consideration: During application, ambient and surface temperature should not be under +10 °C and over +30 °C. The surfaces should have sufficient strength. The surface should be smooth and dry and moisture rate of the application surface should not exceed 5%, if moisture is over that percent, it should be used with moisture surface epoxy plaster **eile EPX 021**. When applying on steel surfaces, sand blasting with SA2/5 level should be done. Care should be taken for mixture rates. Wait 12 hours minimum between coats.

Technical Specifications

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|---------------------------------|--|
| Colour | : Light Grey |
| Brightness | : Matt |
| Specific Weight | : 1,3gr/cm ³ (±0.05) |
| Solid matter | : %100 |
| Consumption | : 1-2 mm thickness 1,15 –2,3 kg/m ³ |
| Exposure Time Of Mixture | : 60 minutes 10°C /30 minutes 30 °C |
| Viscosity | : pasty |
| Curing Times | |
| Mechanic Strength | : 30°C / 48 hours - 20°C / 5 days - 15°C / 7 days |
| Chemical Strength | : 30°C / 6 days - 20°C / 7 days - 15°C / 9 days |

The abovementioned values are nominal values in standardized formulas by **eile POMEX Yapı Kimyasalları**. In normal manufacturing conditions, deviations anticipated by international standards may occur.

Package: Set: 6,6 kg - A Component:5 kg B Component:1,6 kg

Storage

It should be stored in unopened original package in a cool and dry place and over +5°C and under +35°C away from direct sunlight.

Shelf Life

Shelf life is 12 months from production date in unopened package and appropriate storage conditions.