

Technical Data Sheet

POLYESTER RESIN



PRODUCT DESCRIPTION

Two-component polyester resin for lamination and damage repair.

The resin is especially recommended for quick repairs, filling holes and cavities and strengthening large and small surfaces not exposed to constant contact with water. The color indicator present in the resin allows control of the curing process.

PRODUCT INFORMATION

SURFACE TYPE	gelcoat (polyester laminate), aluminum, steel
COLOR	greenish
GLOSS	gloss
MIXING RATIO	100:2-4 by weight (g)
THEORETICAL OUTPUT	See chapter glass reinforcement
METHODE OF APPLICATION	Brush, roll,

INSTRUCTION FOR USE

SURFACE PREPARATION **Laminate** – clean the surface of dirt and degrease using Sea-Line Cleaner. Remove damaged and stratified laminate from the repair site using an angle grinder, sharp chisel or jigsaw. Bevel / chamfer the damaged area to form the shape of the letter "V". Matt the surface with abrasive paper P40-P100. In the event of repair work being carried out on both sides, the laminate support plate should be installed. Sanding should be done on each side of the laminate. Before lamination, clean, dust and degrease again using Sea-Line Cleaner.

PRODUCT PREPARATION This product is two pack product. Always mix components in accordance to mixing ratio. Component A is the base, Component B is the hardener. Mix components until the color is uniform. Once mixed, set should be used before pot life expiration- see chapter pot life. Mix all components thoroughly and wait for air bubbles to disappear.

MIXING RATIO 100:2-4 by weight (g)

GLASS REINFORCEMENT Theoretical output of 1kg resin with glass reinforcement:

Glass mat		Glass fabric	
150g/m ²	approx. 3,3m ²	200g/m ²	approx. 5m ²
300g/m ²	approx. 1,7m ²	400g/m ²	approx. 2,5m ²
450g/m ²	approx. 1,1m ²		

Proportion between resin and reinforcement:

2kg resin for 1kg glass powder mat

1kg resin for 1kg glass fabric

APPLICATION **Pot life** 10-15 min (20°C)

Performing the repair – prepare a suitable piece of glass mat so that the mat overlaps about 2cm across the damaged area. Apply the resin mixed with the hardener with a brush to previously prepared and degreased place. Apply the mat, press and filter with

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a brush, you can apply several layers of mat. Wait approx. 3h, after this time the laminate surface can be machined or leveled with an polyester filler.

HARDENING TIMES

Temperature	Hardening time
20°C	45 min

The times given should be considered as guidelines. The actual curing time may be longer or shorter and depends on the thickness of the layer, ventilation, humidity. Temperature below 20 ° C significantly increases the curing time.

IMPORTANT NOTES

The minimum application temperature is + 15°C. The best results are obtained by applying at 20-25 ° C. Relative humidity should not exceed 70%.

The resin should not be applied directly to reactive primers and one-component acrylic and nitrocellulose products. Do not pour the mixture into the can left after lamination. Avoid application in direct sunlight. Use Sea-Line Cleaner to degrease the surface.

FURTHER WORK

After hardening, laminate surface is recommended to be sanded with P80 ÷ P120, coarse sanding, P120-P240 finish sanding.

Polyester resin can be applied :

Polyester and epoxy fillers

Epoxy primers

Acrilic primers

STORAGE AND SAFETY INFORMATION

SHELF LIFE

Base (component A) 12 months from the date of manufacture

Hardener (component B) 12 months from the date of manufacture

STORAGE

Product components should be stored in tightly sealed containers, in a temperature of 10-25°C, away from sources of fire, heat and sunlight. Close container tightly immediately after each use. Store in a dry place and keep sealed cans until use. Protect from frost.

HSE CONDITIONS

Please follow safety instructions from the Safety Data Sheet for hazardous chemical and follow workplace safety laws. The general rule is to avoid contact of the product with the skin and eyes. When product is used in a small, closed spaces you must provide forced ventilation. It is also recommended that you protect your respiratory system, eyes, and skin. Special care should be taken in the area of fire protection and explosion hazards. **Notice ! Always follow all precautionary, health and safety notice on the Safety Data Sheet and container labels.**

DISCLAIMER

All data in this document have been prepared for informational purpose only. We can not take responsibility for the results of user actions over which we have no control. The user is responsible for making the control sample and determining the suitability of the product for specific, individual applications. Company Troton Sp. z o.o. does not take responsibility for any damage, or loss of profits associated with the improper use of the products. All information is based on scrupulous laboratory research and many

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years of experience. Our position of market leadership does not free us from constant quality control of our products. However, we do not accept responsibility for the effects of improper use or storage of our products, or the effects of using our products in any way contrary to the standard of good workmanship.

QUALITY GUARANTEE

Production, quality control and the realization of deliveries fulfill the demands of ISO 9001 and 14001 standards.