

**TECHNICAL DATA SHEET****POLYESTER RESIN**

Unsaturated polyester resin containing special catalysts is designed for hand lamination. It is ideal for the repair of large rusty areas of car bodies and laminates. It can be used for the repair of caravans, boats, yachts, etc. Hardened coat is marked by good adhesion to the surface and good elasticity, and moreover, it is resistant to water, petrol, grease and oil. Can be exposed to a short-term influence of high temperatures (up to 90°C).

**It can be used on the following surfaces:**

- Steel
- Old varnished coatings
- Polyester laminates
- Aluminum
- Two-component acrylic primers
- Wood
- Epoxy primer

**Attention!** Do not apply directly on wash primers, one-component acryl or nitrocellulose products.

**Mixing ratio (by weight):**

Polyester resin	100 parts by weight
Hardener	2-3 parts by weight

**Attention!** Do not pour the product mixed with hardener back to the package with unused resin.

**Surface preparation:**

- Steel surfaces should be degreased, dry sand with P80-P120 paper and degreased again.
- Aluminium surfaces should be degreased, matted with abrasive needle cloth and degreased again.
- Filler surface should be degreased, dry sand with P180-P240 paper and degreased again.
- Old paint coats should be degreased, dry sand with P80-P120 paper and degreased again.
- Polyester laminates should be degreased, dry sand with P80- P120 paper and degreased again.
- Wood should be dry sanded with P80-P120 paper and cleaned from dust.
- Silicone remover RANAL and anti-static cloth RANAL are recommended for degreasing surfaces.

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**Pot life for application once mixed with hardener:**

10 to 15 minutes in the temperature of 20°C.

**Instruction for use:**

Clean, sand and degrease the surface. Prepare adequate quantity of glass fiber mat so that it covers about 2 cm more of the surface than the damaged area. Mix carefully resin and hardener as the colour becomes uniform, respecting the mixing ratio. Processing time is 10 to 15 minutes in the temperature of 20°C. Apply the resin with a brush on cleaned area. Then apply glass fiber mat, press it down and saturate with resin using the brush. Depending on the damage, several layers of glass fiber mat can be applied on the surface. Wait for about 45 minutes. The surface of laminate can be processed mechanically and, if necessary, evened with polyester putty. The viscosity of cured surface improves adhesion of next layers and, if necessary, it can be reduced by washing with nitrocellulose thinner. Minimal application temperature is +15°C.

**Recommended gradation of paper during the processing:**

Coarse sanding (dry) P80 - P120

Finishing sanding (dry) P120 - P180

**Curing time:**

About 45 minutes in the temperature of 20°C

Curing time can be reduced by heating for 15 minutes in the temperature not higher than 60°C.

**Storage conditions:**

Store in a dark and cool place away from fire and heat sources. The shelf life in original package in the temperature of 20°C is 12 months for the putty and 24 months for the hardener.

**Health and safety recommendations:**

According to Material Safety Data Sheet of Dangerous Substance for particular product.

**Packaging:**

Art. No	Capacity, kg:	Package, pieces:	Weight of carton, kg:
00903-1	1	6	7,10

This information is based on careful, laboratory research and our long-standing experience. Strong market position does not absolve us from constant control of the quality of our products. However, we are not responsible for the final results after incorrect use of the product.