

Polyset

Product description

Polyset is a complete set which consists of: pre-accelerated polyester resin, fibre glass tissue, hardener, mixing vessel, mixing tool and instructions for application and use.

Properties

- Two component system
- Easy to apply
- Fast curing
- Gives very strong repairings

Applications

- Repairing of metal and polyester surfaces.
- Repairing of small holes and dents in car body parts.
- Replacing or reinforcing of rusted through parts.
- Repairing of bigger damages on boats, surf boards, ...



Technical data

Base	Amine pre-accelerated unsaturated polyester resins
Consistency	Fluid
Curing system	Chemical curing
Density	ca. 1,10 g/ml
Open time	10 - 15 minutes
Hardness	ca. 65 Shore D
Application temperature	+10°C → +25°C
Temperature resistance	-30°C → +115°C
Sandable after	ca. 45 minutes

Footnote: Skinning time and curing speed may vary depending on environmental factors such as temperature, moisture, and type of substrates.

Substrates

- Substrate condition
The surface must be rigid, clean, dry, free of dust and grease.
- Substrate preparation
Remove rust. Rough grinding of smooth surfaces improves the adhesion.
- Substrate types
Polyset has a good adhesion to following substrates: metals, polyester, fiberglass, etc.. We recommend a preliminary adhesion and compatibility test on every surface.



Polyset

Application method

■ Application method

When used together with Glasfibre blanket, cut the fiberglass to the right size with on all sides ± 3 cm overlap. Fray out the overlapping edges to achieve a smooth transition. Mix the required amount of Poly Liquid with 2 to 4% hardener in the supplied cup until a homogeneous mixture without colour differences is obtained. Transfer by means of the brush a portion of the mixture to the substrate. Soak the Glasfibre blanket and press it firmly against the surface. After drying of the preceding layer repeat this operation in order to obtain a greater stiffness. Make sure that the successive mats are 1 cm larger each time. Sand after hardening with a very coarse sandpaper or a grinding wheel. Additionally apply a thin layer of Metal Plastic for a good finish.

■ Cleaning method

Clean with acetone.

■ Repair method

Repair with the same material.

Health- and Safety Recommendations

Take the usual labour hygiene into account. Consult the packaging label and safety data sheet for more information.

Use only in well-ventilated areas.

Dangerous. Respect the precautions for use.

Packaging/Logistics

Colour: Please consult the product catalogue, the Soudal website or a Soudal representative.

Packaging: Please consult the product catalogue, the Soudal website or a Soudal representative.

Shelf life: 12 months in unopened packaging in a cool and dry storage place at temperatures between $+5^{\circ}\text{C}$ and $+25^{\circ}\text{C}$

Remarks

- To achieve a good adhesion to metal it is recommended to apply a thin layer of Metal Plastic on which the polyester resin can be applied.

This technical data sheet replaces all previous versions. The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. It is general in nature and does not constitute any liability. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. Since the design, the quality of the substrate and processing conditions are beyond our control, no liability under this publication is accepted. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application. In every case it is recommended to carry out preliminary experiments. The manufacturer reserves the right to modify products without prior notice.