POLTIX REPARATIE SET

DESCRIPTION

Poltix Reparatie Set is a repair set for GRP consisting of a pre-accelerated unsaturated isophtalic polyester resin, hardener, glass fibre, mixing cup and spatula.

PRINCIPAL CHARACTERISTICS

- Thixotropic;
- Pre-accelerated;
- Rapid curing;
- Low shrinkage when used in combination with reinforcing materials;
- Recommended for small repairs of polyester products such as boats, tanks, autoparts, etc.

COLOURS AND GLOSS

Transparent – Silk gloss

BASIS PROPERTIES (AT 23˚C AND 50% R.H.)

Density	:	approx. 1,1 g/cm^3
Solid content	:	approx. 100 % (volume)
Dust dry after	:	approx. 25 minutes
Full cure after	:	approx. 2 hours
Recoating interval	:	min. 24 hours, see additional information
		max. unlimited, provided free from contamination
Shelf life	:	separate components, stored cool and dry in original packaging minimum 6 months
Flash point (DIN53213)	:	base component 31 ºC
		hardener 52 ºC

SPREADING RATE

The practical spreading rate depends on a number of variables, such as: shape and size of object to be painted, the condition and profile of the substrate, the method of application, climatologic conditions and skill of labour.

SUBSTRATE CONDITION AND TEMPERATURE

Polyester	:	dry and free from oil, grease, contamination, old paint layers and loose particles, sanded with grit paper P120 and degreased with Double Coat Degreaser;

During application and curing a minimum temperature of 15 ºC is allowed. The temperature of the substrate should be minimum 3 ºC above dew point.

INSTRUCTIONS FOR USE

Before use, mix base and hardener components thoroughly.

Mixing ratio	:	100 base : 2 hardener (parts by weight)
		Do not prepare more material than can be applied within the potlife of the mixture.
Induction time	:	none
Pot life	:	15 minutes at 25 ºC
		20 minutes at 20 ºC
		25 minutes at 15 ºC

Application with :

	Brush
type thinner	none
% of thinner	
nozzle orifice	none
nozzle pressure	none
cleaning	Double Coat Brush thinner or Double Coat Degreaser

ADDITIONAL INFORMATION

- Recoating of surfaces repaired with Poltix Reparatie Set

	15 °C	20 °C	25 °C
Minimum, with IJmopox, Variopox or Double Coat	24 hours	24 hours	24 hours
Minimum, wit Poly Lak	4 hours	4 hours	4 hours
Maximum, after degreasing and sinding with P180	unlimited	unlimited	unlimited

- Application of Poltix Reparatie Set
  - Poltix Reparatieset is recommended for hand-layup. It is possible to apply Poltix Lamineershars with conventional air or airless spray equipment but the relatively short potlife should be considered. Special 2-component spray equipment is more suitable.
  - For brush application use brushes with unpainted handles.
  - Mix base and hardener in the recommended mixing ratio. Apply a generous coat of Poltix Reparatie Set. Place the glass fibre in the wet layer of Poltix Reparatie Set and apply with a brush by pressing the brush onto the fibre at right angle. Remove air bubles using the spatula.

- Hardener
  Use only the supplied hardener. The hardener contains peroxides. After mixing the base component with the harder the temperature of the mixture will increase rapidly due to an exothermic reaction. Do not prepare more material than can be applied within the pot life of the mixture.

- One-component paint systems
  Do not apply Poltix Reparatie Set on surfaces coated with one-component paint systems.

SAFETY INFORMATION
This product contains solvents. Take all necessary safety measurements when using this product and arrange proper ventilation and safety equipment for all personnel. For details on safety and health see our material safety data sheet.

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