



## REPAIR KIT

*Product intended for professional use.*

### PRODUCT RANGE:

43 144      Repair kit 250 g

### CHARACTERISTICS:

The kit includes polyester resin - 242 g, curing agent - 8 g, glass mat - 0.25 m<sup>2</sup>. The kit is intended for filling voids/dents in the material (caused by mechanical damage or corrosion), reinforcing and stiffening surfaces made of metal, plastics and others. After curing, a correctly made laminate is resistant to weather conditions, gasoline, lubricants, diluted acids and high temperatures (up to 80°C); it has a high mechanical strength, can be sanded and covered with polyester putties to obtain a coating of appropriate smoothness.

### PHYSICAL AND CHEMICAL PROPERTIES:

Resin - light yellow liquid with a characteristic smell, containing styrene.

### APPLICATIONS

#### **SUBSTRATE:**

- steel,
- galvanized steel,
- stainless steel,
- aluminium,
- polyester laminates,
- primer paints,
- cured varnish coatings,
- plastics,
- wood.

***Do not apply directly onto reactive primers or one-component acrylic and nitrocellulose products.***

#### **SUBSTRATE PREPARATION:**

**Steel, galvanized steel** – Use Polfill Automotive or Pro Anti-silicone Remover to remove dirt and impurities. Sand the surface manually or mechanically with P80 - P180 abrasive paper. Dust off with compressed air and then degrease again.

**Aluminium** – Use Polfill Automotive or Pro Anti-silicone Remover to remove dirt and impurities. Sand the surface manually or mechanically with P240 - P400 abrasive paper. Dust off with compressed air and then degrease again.

**Putties and laminates** – Use Polfill Automotive or Pro Anti-silicone Remover to remove dirt and impurities. Sand the surface manually or mechanically with P150 - P320 abrasive paper. Dust off with compressed air and then degrease again.

**Two-component acrylic and epoxy primers** – Apply the resin to a properly dried and cured coating. Use Polfill Automotive or Pro Anti-silicone Remover to remove dirt and impurities. Sand the surface manually or mechanically with P180 - P320 abrasive paper. Dust off with compressed air and then degrease again.



**Cured varnish coatings** – Use Polfill Automotive or Pro Anti-silicone Remover to remove dirt and impurities. Sand the surface manually or mechanically with P180 - P320 abrasive paper. Dust off with compressed air and then degrease again.

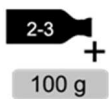
**Wood, furniture boards or the like** – The surface must be free from all kinds of impurities. Sand manually or mechanically with P120 - P240 abrasive paper. Dust off with compressed air.

#### **PREPARATION OF REINFORCEMENT:**



Prepare a suitable piece of glass mat so that its surface extends at least 2 cm beyond the edge of the damaged area.

#### **PREPARATION OF RESIN:**



Mix thoroughly 100 parts by weight of polyester resin with 2 - 3 parts by weight of curing agent until a uniform colour.

**Application time after mixing with curing agent is up to 10 minutes at 20°C.**

**The use of an incorrect amount of the curing agent will affect the drying process and may cause coating defects and affect the operational and strength properties of the laminate.**

#### **CURING AGENT USED:**

Dibenzoyl peroxide paste – supplied with the resin.

#### **APPLICATION:**



Apply resin mixed with curing agent to the cleaned area with a brush.



Apply the mat, press it down and saturate it with resin using a brush or a roller. Depending on the type of damage, several layers can be applied.

**Minimum working temperature 10°C. Do not pour unused resin mixed with curing agent into the can.**

#### **DRYING TIME:**

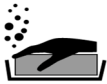


45 minutes/20°C. After curing, the laminate surface can be machined or smoothed out with a polyester putty

**Temperatures below 20°C extend the drying process.**



## **SANDING:**



Dry sanding, manually or mechanically.

Preliminary sanding with P80 - P120 abrasive paper.

Finish sanding with P180 - P320 abrasive paper.

## **CLEANING THE EQUIPMENT:**

POLFILL NITRO solvent.

## **STORAGE:**

Store in original, tightly closed containers, in a dry, cool place, away from sources of heat and ignition, at a temperature 5 to 20°C. Do not expose to direct sunlight.

## **WARRANTY PERIOD:**

The warranty period is given on the product label.

## **HEALTH & SAFETY RECOMMENDATIONS:**

Product safety data sheet and applicable health and safety regulations for working with chemical agents.

*The information contained in this sheet has been developed based on our knowledge and practice. However, no individual product properties can be guaranteed under different conditions of use beyond our control. Therefore, we cannot accept full responsibility for the results obtained in specific conditions of use. It is necessary to test the application of the product on a small area, due to the potential differences in the product performance depending on the substrate on which it is applied. We guarantee proper quality when used in accordance with the instructions contained in this Technical Data Sheet.*