



**malexim**<sup>®</sup>  
FABRYKA FARB I LAKIERÓW



# RUST CONVERTER

# POLRUST

UNDERCOAT FOR RUSTED SURFACES



[www.malexim.pl](http://www.malexim.pl)

# Polrust®

## WATER-DILUTABLE PAINT

### APPLICATION

On surfaces cleaned of rust up to grade 3 purity according to PN ISO 8501-1: 1996. Polrust® binds to the substrate physically and chemically, creating, after drying, a perfect undercoat for surface decorative paints.

As a temporary protection paint - one layer can protect against corrosion from a few to a dozen months or so (depending on operating conditions).

For long-term protection - as a primer in the sets with other painting materials. The longest corrosion resistance is demonstrated by the set with alkyd, chlorinated rubber and acrylic paints. Polrust® primer can be applied with fillers (acrylic, epoxy, etc.).

### BENEFITS

Polrust® is used where, for technical or economic reasons, it is not possible to prepare the substrate with abrasive blasting.

Polrust® brings tangible economic effects: it saves time and money, as it eliminates a significant part of the costs of mechanical surface preparation before painting.

Polrust® is irreplaceable while painting corroded gates, grates, nets, fences, barriers, pipes, metal sheets, metal profiles, as well as steel truss structures, halls, etc.

## WARNING!

DO NOT USE PETROL, NITROGEN AND OTHER PETROLEIC SOLVENTS TO DEGREASE THE SURFACE



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# FOR PAINTING CORRODED STEEL & CAST IRON SURFACES

## HOW TO USE

### PRELIMINARY ACTIVITIES

From corroded substrate, remove the rust loosely bound to the substrate and flaking old paint.

The substrate covered with a rolling stand should be roughened. Particularly, clean and smooth burrs and welds thoroughly.

Before each painting, thoroughly wash each substrate with a water solution of Ekosolwent<sup>®</sup> to remove impurities and grease. In aggressive corrosive environments (urban or industrial), the substrate should be thoroughly rinsed with water to wash out salt and dust from the polluted atmosphere.

**Polrust<sup>®</sup>**  
IS NON-FLAMMABLE AND NON-TOXIC

### PAINTING

- Corroded substrate is recommended to be painted damp, not completely dried after cleaning. It is best to paint at the temp. 15-30°C. In hot weather, cool the substrate with cold water to temperature below 30 °C.
- Mix Polrust<sup>®</sup> thoroughly before use. The paint has a viscosity suitable for application with a brush. If necessary, adjust the viscosity with up to 5% drinking water. Apply Polrust<sup>®</sup> with a brush, roller, spray or by immersion.
- In normal atmospheric conditions (temp. 20-23°C, humidity 50: 5%), dust-freeness is obtained after 30 min. and dryness after 1h. During drying, the Polrust<sup>®</sup> coating changes from beige to black. After drying, a black durable protective coating is created, which can be applied with decorative topcoats.
- Full drying occurs after 8 hours. At low temperatures and high ambient humidity, drying time may be longer.
- Painting efficiency up to 10 m<sup>2</sup>/l. Depending on the type of rust, substrate roughness, shape and type of construction as well as application methods, the practical efficiency may be reduced.



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