

Technical Information

Durlin Metal PRIMER

Product description

DURLIN METAL PRIMER

is a one-component primer based on alkyd resins, anti-corrosion pigments, fillers and organic solvents.

Features:

- Protects against corrosion
- Good coverage and adheres well to metal surfaces
- Spills well

Purpose

It is applied as a base coat in a system with DURLIN WOOD AND METAL ENAMEL for the protection of steel structures, agricultural construction machines. A system of 1 - 2 coats of DURLIN METAL PRIMER and 1 - 2 coats of DURLIN WOOD AND METAL ENAMEL is recommended. It can also be used alone for temporary protection.

Surface preparation

Metal (iron and steel) surfaces

Remove corrosion mechanically, and grease and other impurities with Nitro thinner.

If the corrosion is removed with phosphoric acid-based agents, rinse the surface thoroughly with water, dry and then apply the paint, because the residues of the cleaning agent have a bad effect on the drying and adhesion of the paint.

Restoration of old coatings

Clean and sand undamaged coatings, and completely remove damaged parts. Make a test on a small part of the old coating and check the compatibility with the old coating.

Working conditions

- Air temperature +10°C - +35°C
- Relative air humidity from 20% to 80%
- The surface temperature must be at least 3°C above the dew point

Instructions for application

Stir the coating well before use



PNEUMATIC SPRAYING

Working viscosity:

25 – 45 s, Ø 4 mm, 23°C

Dilution:

Up to 10% by weight

Nozzle diameter:

1.3 – 1.5 mm

Air pressure:

0.3 – 0.5 MPa

BRUSH / ROLLER

Dilution:

0 - 5% by weight

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Note

Used in a product system with:

DURLIN Wood and Metal ENAMEL

DURLIN Radiator ENAMEL

DURLIN Antique ENAMEL

The technical data are given in order to achieve optimal results by using products manufactured by HELIOS Srbija a.d. Contact our technical service for any additional information. The manufacturer reserves the right to make changes.

Technical data

Type of binder:	Alkyd resin
Method of application:	Brush, roller, pneumatic spraying
Viscosity (DIN 53211):	110 – 130 s (Ø 4 mm, 23°C)
Specific weight::	1.28 – 1.32 kg/l
Shades:	Gray, oxyde red, black
Weight dry matter:	72 ± 3%
VOC:	A(i), 500 g/l; product contains max. 500g/l
Temperature resistance:	
• Short-term	100°C
• Long-term	80°C
Recommended dry film thickness:	40 µm in one layer
Maximum wet film thickness:	130 µm in one coat
Maximum dry film thickness:	70 µm in one coat
Theoretical yield of the coating:	8-10m ² /l depending on the method of application in one layer
• For 40 µm dry film:	
Drying (T=+20°C, rel.hum.65%):	
• To dust	3 – 4 hours
• To touch	8 – 10 hours
• Completely dry	48 hours
In conditions of lower temperature and higher relative humidity, the drying time is extended.	
Coating interval:	
• Recommended	24 hours
• Minimal	2 to 3 hours with pneumatic spraying, 12 hours with brush or roller
• Maximum	unlimited
Thinner:	DURLIN Oil solvent
Packaging:	0.75 l; 5 l
Storage and shelf life:	Originally closed product, stored in a dry place, protected from direct sunlight (+ 5°C to + 25°C) is usable for 60 months.