

Technical Information

Durlin Anti-Corrosion **PRIMER**

Product description

DURLIN ANTI-CORROSION PRIMER is a one-component, basic quick-drying coating based on modified alkyd resins, anticorrosive pigments, fillers and organic solvents.

Features:

- Dries quickly
- Protects against corrosion
- Covers well and adheres well to metal surfaces

Purpose

It is applied as an independent coating for temporary protection of metal structures or as a base coat in a system with different top coatings for protection of metal surfaces when fast drying is required and in mild corrosive conditions.

A system of 1 - 2 coats of DURLIN ANTI-CORROSION PRIMER and 1 - 2 coats of top coat is recommended.

Surface preparation

Metal (iron and steel) surfaces

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

If corrosion is removed with phosphoric acid-based agents, rinse the surface thoroughly with water, dry and then apply paint, as cleaning agent residues prevent drying.

Restoration of old coatings

Clean and sand the undamaged coatings, and completely remove the 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 must be at least +10°C
- Relative air humidity from 20% to 80%
- The surface temperature must be at least 3°C above the dew point

AIRLESS SPRAYING

Working viscosity: 30 – 40 s, Ø 4 mm, 20°C

Dilution: Up to 15% by weight

Nozzle diameter: 0.33 - 0.48 mm

Output pressure: 12 - 15 MPa

PNEUMATIC INJECTION

Working viscosity: 20 – 30 s, Ø 4 mm, 23°C

Dilution: Up to 20 % by weight

Nozzle diameter: 1.3 - 1.5 mm

Output pressure: 0.3 - 0.5 MPa

BRUSH / ROLLER

Dilution: Up to 10% by weight

IMMERSION / DIPPING

Working viscosity: 25 – 30 s, Ø 4 mm, 20°C

Dilution: 15 - 20% by weight

*In case of exceeding the maximum intercoat interval, contact the manufacturer



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Note

Used in a product system with:

DURLIN WOOD AND METAL ENAMEL

DURLIN ANTIQUE ENAMEL

DURLIN RADIATOR 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.

Instructions for application

Stir the coating well before use

Technical data

Type of binder:	Modified alkyd resin
Method of application:	Brush, roller, pneumatic and airless spraying
Viscosity (FORD):	180 - 270 s (Ø 4 mm, 20°C)
Specific weight:	1.35 - 1.40 kg/l
Shades:	Gray and oxide red
Weight dry matter:	68 ± 2%
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:	140 µm in one coat
Maximum dry film thickness:	70 µm in one coat
Theoretical yield of the coating:	9,1 m ² /kg; 110 g/m ² ~ (9-11 m ² /kg depending on the method of application)
• For 40 µm dry film:	
Drying (T=+20°C, rel.hum.65%):	
• To dust	5 - 15 min
• To touch	10 - 20 min
• Completely dry	48 hours
In conditions of lower temperature and higher relative humidity, the drying time is extended.	
Coating interval:	
• Minimal	From 1 to 3 hours or after a minimum of 2 - 3 days
• Maximum	30 days*
Thinner:	NITRO Thinner
Packaging:	1 kg; 7 kg
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.