

Technical Information

Durlin ENAMEL 3/1

Product description

DURLIN ENAMEL 3/1 is a one-component base-finish, anti-corrosion coating based on modified alkyd resin, light-stable pigments, corrosion inhibitors, fillers and organic solvents.

Features:

- Inhibits corrosion
- Primer and top coat
- Resistant to atmospheric influences
- Dries quickly
- Excellent elasticity

Purpose

It is used for protection and decoration of metal and wooden surfaces such as fences, gates, doors, windows, garden furniture, shelves, metal pipes, metal constructions in the interior and exterior. It is applied independently in two layers. Two coats of DURLIN ENAMEL 3/1 in interior and exterior are recommended.

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.

Wooden surfaces

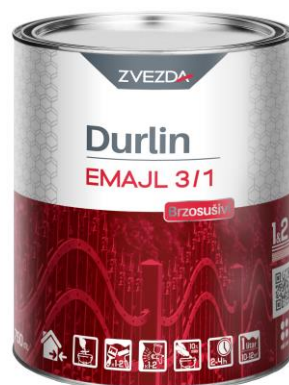
Sand the dry surface (8-12% of moisture) (sandpaper of granulation 120-180, in the final layer of granulation 240-320) and clean it of dust, wax, resin and grease with Nitro thinner.

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



PNEUMATIC SPRAYING

Working viscosity:

25 – 35 s, Ø 4 mm, 20°C

Dilution:

Up to 15 - 20 % by weight

Nozzle diameter:

1.3 – 1.5 mm

Air pressure:

0.3 – 0.5 MPa

BRUSH / ROLLER

Dilution:

Up to 10 - 15 % by weight

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Instructions for application

Stir the coating well before use.
Be sure to pay attention to the coating interval.

Technical data

Type of binder:	Modified alkyd resin
Method of application:	Brush, roller and pneumatic spraying
Viscosity (DIN 53211):	80 - 100 s (Ø 4 mm, 23°C)
Specific weight:	1.10 - 1.20 kg/l
Shades:	10 standard shades
Weight dry matter:	60 ± 10%
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:	120 µm in one coat
Maximum dry film thickness:	60 µm in one coat
Theoretical yield of the coating:	10 - 12 m ² /l depending on the method of application in one layer
• For 60 µm dry film:	
Drying (T=+20°C, rel.hum.65%):	
• To dust	15 - 30 min
• To touch	2 - 4 hours
• Completely dry	48 hours
In conditions of lower temperature and higher relative humidity, the drying time is extended.	
Coating interval:	
• Recommended	2 - 4 hours or after 7 days
• Minimal	30 min to 2 hours with pneumatic spraying, 2-4 hours with brush or roller
• Maximum	30 days
Thinner:	NITRO Thinner
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.

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.