

Technical Information

Nitro Primer VARNISH

Product description

NITRO PRIMER VARNISH is the basic, quick-drying coating based on alkyd resins, nitrocellulose, quality pigments, fillers, additives, and organic solvents.

Features:

- Quickly dries
- Easily sanded
- Covers well
- Fills minor irregularities on the wood

Purpose

It is applied as the basic sandable coating in the system with NITRO FINISH VARNISH (GLOSS, SEMI-MATTE, MATTE) or NITRO ENAMEL for protection and decoration of furniture and other wooden surfaces in the interior, made of massive or veneered panels.

A system of 1-2 layers of NITRO PRIMER VARNISH is recommended and 1-2 layers of NITRO FINISH VARNISH.

Surface preparation

Wooden surfaces

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

Renewal of old coatings

We clean and sand the undamaged coatings, and completely remove the damaged parts. Make a test on a smaller 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%

Instructions for application

Stir the coating well before use.



PNEUMATIC SPRAYING

Working viscosity:

25 – 35 s, Ø 4 mm, 23°C

Dilution:

Up to 20% weight

Nozzle diameter:

1.3 – 1.5 mm

Air pressure:

0.3 – 0.5 MPa

BRUSH / ROLLER

Only suitable for small surfaces and local repairs

Dilution

Up to 10% weight

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Note

Used in a product system with:

**NITRO FINISH VARNISH
(GLOSS, SEMI-MATTE,
MATTE)**

NITRO 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:	Nitrocellulose and alkyd resin
Method of application:	Pneumatic spraying, brush, roller
Viscosity (DIN 53211):	55 – 75 s (Ø 4 mm, 23°C)
Specific weight:	0.905 – 0.915 kg/l
Shades:	Colourless
Weight dry matter:	24 ± 2%
VOC:	A(h), 750 g/l; product contains max. 750g/l
Temperature resistance: <ul style="list-style-type: none"> Short-term Long-term 	80°C 60°C
Recommended dry film thickness:	30 µm in one layer
Max. thickness of wet film:	100 µm in one application
Max. thickness of dry film:	30 µm in one application
Theoretical yield of the coating: <ul style="list-style-type: none"> For 40 µm dry film 	8-10 m ² /l depending on the method of application
Drying (T = + 20°C, rel. hum. 65%): <ul style="list-style-type: none"> To dust To touch Completely dry For grinding 	3 - 5 min 20 - 30 min 24 hours min. 2 hours
In conditions of lower temperature and higher relative humidity, the drying time is extended.	
Coating interval: <ul style="list-style-type: none"> Recommended Minimal Maximum 	24 hours 20 min by pneumatic spraying, 6 hours by brush or roller without restrictions
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.