

MOBILAC VARNISH



TECHNICAL DATA SHEET

Description of the product

MOBILAC VARNISH is a top-quality transparent alkyd-based varnish. It is used in combination with **MOBILAC**. It is air drying but it may also dry in an oven at 60-70°C.

Recommended uses

It is applied on exterior and interior metal surfaces. It can be added in **MOBILAC** for the application of the final coat or as a topcoat after the final application of **MOBILAC**.

Technical characteristics

Resin: Alkyd

Density: 0.94±0.02 gr/ml

(EN ISO 2811.01, 20°C)

Production Viscosity: 55±5 sec

(DIN 53211/4 mm, 20°C)

Viscosity: 65±15 sec

(DIN 53211/4 mm, 20°C)

Solids b.w.: 50±2%

(EN ISO 3251)

Solids b.v.: 42±2%

(ISO 3233)

Flash point: 35±2°C

(EN ISO 1523)

VOC (Volatile Organic Compounds): **MOBILAC VARNISH** belongs to the category A/i SB (One pack performance coatings). EU Limit Value: 500 g/l. The ready to use product contains max. 499 g/l.

Shades

Clear.

Properties

Adhesion (Cross cut, on metal): 0-1

(EN ISO 2409)

Adhesion (Cross cut, over 1 coat MOBILAC 159): 0-1

(EN ISO 2409)

Hardness (König): 95±15 sec, after 7 days

(EN ISO 1522)

Scratch test (on metal): 7±1 N

(EN ISO 1518)

Scratch test (over 1 coat MOBILAC 159): 11±2 N

(EN ISO 1518)

Bend test (Mandrel): 2 mm OK

(EN ISO 1519)

Resistance to Salt Spray: 27.5±2.5 µm:

(EN ISO 1519)

Very good protection for at least 170 hours

Spreading rate

Dry film thickness: Approx. 27.5±2.5 µm.

Spreading rate: 14.5±1.5 m²/Lt.

Application instructions

It can be added in **MOBILAC** for the application of the final coat or as a topcoat after the final application of **MOBILAC**.

a) When **MOBILAC VARNISH** is used after the application of **MOBILAC**, it is recommended to apply it in a thin layer. Its application must take place at least 48 hours after the application of **MOBILAC**.

b) When **MOBILAC VARNISH** is added into **MOBILAC**, it is recommended to thoroughly mix the paint and the varnish first and then dilute the mixture with **CHROTEX SPRAY SOLVENT**.

Application method: Brush, roller or spray gun.

Diluent: **CHROTEX SPRAY SOLVENT**, for application with spray gun.

Thinning: *For application with brush, roller:* No thinning is necessary.

For spraying: Dilute up to 5% v/v. [Application viscosity: 35±5 sec (DIN 53211/4 mm, 20°C) or 49±8 sec (EN ISO 2431/5 mm, 20°C), Nozzle size: 1.4-1.8 mm, air pressure: 2-3 bar].

Tools are cleaned immediately after the application with CHROTEX Spray Solvent.

Drying time

Set to touch: 25±5 minutes (ASTM D 1640).

Dry to touch: 50±10 minutes.

Dry through: 7±1 hours.

Drying and recoating time may be prolonged under conditions of low temperature and high relative humidity.

Coating system

MOBILAC VARNISH may be added into **MOBILAC** for the application of the final coat or as a topcoat after the final application of **MOBILAC**.

Other systems may be applied, depending on the application.

Packaging

It is available in 1Lt cans.

Storage

2 years at least, provided the cans remain closed and in normal storing conditions.

Health and safety

Please refer to the labeling mentioned on the can. In case more information is needed refer to the Material Safety Data Sheet.

Notes

- The addition of **MOBILAC VARNISH** in the last coat gives to the surface improved gloss and mechanical resistance.
- **MOBILAC VARNISH** has excellent adhesion over MOBILAC and other alkyd-based paints.
- The dry film thickness of **MOBILAC VARNISH** should not exceed 30 µm.

*Issued: November 2020
This issue replaces all others.*

