

MOBILAC Varnish metallise



TECHNICAL DATA SHEET

Description of the product

MOBILAC METALLISE VARNISH is a top-quality transparent alkyd-based varnish which gives a metallic finish. It offers additional anticorrosive protection and high gloss. It can be added in **MOBILAC** for the application of the final coat or as a top coat after the application of other alkyd based enamel paints (**MOBILAC, XTRALAC, ULTRALAC TOTAL**). 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 is ideal for decoration of metal structures like railings, metal furniture, decorative objects etc. Usage of **MOBILAC METALLISE VARNISH** offers to the surface additional gloss for longer period of time.

Technical characteristics

Resin: Alkyd

Density: 0.93±0.02 gr/ml

(EN ISO 2811.01, 20°C)

Production Viscosity: 95±15 sec

(DIN 53211/4 mm, 20°C)

Viscosity: 105±15 sec

(DIN 53211/4 mm, 20°C)

Solids b.w.: 49±2%

(EN ISO 3251)

Solids b.v.: 41±2%

(ISO 3233)

Flash point: 35±2°C

(EN ISO 1523)

VOC (Volatile Organic Compounds): **MOBILAC METALLISE VARNISH** belongs to the category A/i SB (One pack performance coatings). EU Limit Value: 500g/l. The ready to use product contains max. 485g/l.

Shades

Clear with metal flakes.

Properties

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

(EN ISO 2409)

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

(EN ISO 2409)

Hardness (König): 40±4sec, after 7 days

(EN ISO 1522)

Scratch test (on metal): 8±1 N

(EN ISO 1518)

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

(EN ISO 1518)

Bend test (Mandrel): ≥2 mm OK

(EN ISO 1519)

Resistance to Salt Spray: 30±5 µm:

(EN ISO 7253)

Very good protection for at least 170 hours

Spreading rate

Dry film thickness: Approx. 30±5 µm.

Spreading rate: 14±2 m²/Lt.

Application instructions

It can be added in **MOBILAC** for the application of the final coat or as a top coat after the final application of alkyd paint (**MOBILAC, XTRALAC, ULTRALAC TOTAL**).

a) When **MOBILAC METALLISE VARNISH** is used after the application of an alkyd based paint, it is recommended to apply it in a thin layer. For additional anticorrosive protection in extreme weather conditions apply 1 coat of anticorrosive primer (**PRIMETAL, REDOX, GRIDOX**), 1 coat of **MOBILAC** and 1 coat of **MOBILAC METALLISE VARNISH**. Its application must take place at least 48 hours after the application of the paint.

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 BRUSH SOLVENT or CHROTEX SPRAY SOLVENT, depending on the application method.

Thinning: *For application with brush, roller:* Dilute up to 5%. [Application viscosity: 47±7 sec (DIN 53211/4 mm, 23°C) or 65±9 sec (EN ISO 2431/5 mm, 23°C).

For spraying: Dilute up to 5% v/v. [Application viscosity: 41±6 sec (DIN 53211/4 mm, 23°C) or 55±8 sec (EN ISO 2431/5 mm, 23°C), nozzle size: 1.4-1.6 mm, air pressure: 2bar].

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

Drying time

Dry to touch: 50±10 minutes (ASTM D 1640).

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 top coat after the final application of MOBILAC.

Other systems may be applied, depending on the application.

Packaging

Available in 0.75Lt 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

- **MOBILAC METALLISE VARNISH** has excellent adhesion on **MOBILAC** and other alkyd enamel paints.
- The dry film thickness of **MOBILAC METALLISE VARNISH** should not exceed 30 µm.
- When adding **MOBILAC METALLISE VARNISH** in **MOBILAC** the final effect of the surface depends on the mixing ratio of shade and varnish.

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