

MOBILAC

TECHNICAL DATA SHEET



Description of the product

MOBILAC is an enamel paint based on alkyd resins for interior and exterior surfaces. It provides **anticorrosive protection** to the surface, excellent and long-lasting gloss, great resistance to adverse weather conditions and UV rays. It is easily applied and offers a perfect finish while it renders an elastic and hard film. It dries in the air or at low stoving temperatures (60-70°C).

Recommended uses

It is applied on interior or exterior metal surfaces (metal structures, machines, etc).

Technical characteristics

Resin: Alkyd

Density (white): 1.14±0.04 gr/ml (EN ISO 2811.01, 20°C)

Production Viscosity: 10±1.5 poise

Storage Viscosity: 11.5±3 poise (ISO 2884.02)

Solids b.w. (white): 60±3% (EN ISO 3251)

Solids b.v. (white): 42±3% (ISO 3233)

Flash point: 37±3°C (EN ISO 1523)

VOC (Volatile Organic Compounds): **MOBILAC** 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

Available in white, black, gloss and mat finish and in 68 ready-made gloss shades.

Properties

Whiteness index: ≥ 69 (ASTM E 313)

Yellowing index: ≤ 6 (ASTM E 313)

Adhesion (Cross-Cut on metal): 0-1 (EN ISO 2409)

Adhesion (Cross-Cut on GRIDOX, REDOX): 0-1 (EN ISO 2409)

Hardness (König): 55±13 sec, after 7 days (EN ISO 1522)

Impact Test: in/out 2-6/0 inch/pounds (ASTM D 2794)

Bend test (Mandrel): 3±1 mm OK (EN ISO 1519)

Gloss 20°/60°: 83±7/91±5 (EN ISO 2813)

Scratch test: 12±2 N (EN ISO 1518)

Resistance to liquids (water, oil, petrol): Excellent (EN ISO 2812.01-95)

Sag resistance Undiluted: 175±25 µm. Diluted (10% v/v.): 125±25 µm. (ASTM D 4400)

Exposure to fluorescent UV & Water: 500 h: No change is noted on the film. (EN ISO 11507)

Resistance to salt spray:

40±5 µm: Very good protection for at least 250 hours.

90±10 µm: Very good protection for at least 500 hours.

As a system with REDOX, GRIDOX: Very good protection for at least 800 hours. (EN ISO 9227)

(1 coat **REDOX, GRIDOX** + 1 coat **MOBILAC**)

As a system with NEOMIN: Very good protection for at least 900 hours.

(1 coat **NEOMIN** + 1 coat **MOBILAC**)

Spreading rate

Dry film thickness per coat: 45±5 µm.

Recommended total dry film thickness: 90±10 µm.

Spreading rate: 9±1 m²/Lt, per coat, for dry film thickness 45±5 µm.

14±2 m²/Lt, per coat, for dry film thickness 30±5 µm.

Application instructions

Surfaces are cleaned from oil, dust and flaking parts are removed. For removing or stabilizing the rust, apply **PRERUST** or **RUSTABIL** respectively. For absolute protection of the surface it is recommended to apply 1 coat of alkyd based anticorrosive primer, such as **REDOX**, **GRIDOX**.

MOBILAC is applied in 2 coats.

Application method: Brush, roller, spray.

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

Thinning: *For application with brush, roller:* Dilute up to 10% v/v [Application viscosity: 80±15 sec (DIN 53211/4 mm, 23°C) or 110±20 sec (EN ISO 2431/5 mm, 23°C), or 62±4 KU (ASTM D 562)].

For spraying: Dilute up to 10% v/v [Application viscosity: 50±10 sec (DIN 53211/4 mm, 23°C) or 70±15 sec (EN ISO 2431/5 mm, 23°C or 57±3 KU (ASTM D 562), Nozzle size: 1.6-1.8 mm, air pressure: 2-3 bar].

Tools are cleaned immediately after the application with solvent, soap and water.

Drying time

Set to touch: 20±10 minutes (ASTM D 1640).

Dry to touch: 35±15 minutes.

Dry through: 5±1 hours.

Recoating time: After 14 hours.

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

Coating system

On metal surfaces the use of an anticorrosive primer is not necessary. On galvanized surfaces it is recommended to use **ADHEX**.

Other systems may be applied, depending on the application.

Packaging

The white shade is available in 0.375 Lt, 0.75 Lt, 2.5 Lt and 5 Lt cans. All shades are available in 0.75 Lt cans.

Storage

1 year, 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

- With the addition of **HARDADO** up to 15% v/v, a film of higher gloss, hardness and mechanical resistance is achieved. The mixture has a pot life of 8 hours (20°C).
- It is recommended to avoid application of the product at temperatures below 10°C, greater than 36°C and relative humidity higher than 85%.

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This issue replaces all others.*

