

TECHNICAL DATA SHEET

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Product name: **EBEPHEN AC MACHINE VARNISH**

Properties: Satin-gloss 2-component-finishing coating on acrylic resin-isocyanate basis, with excellent weather and scratch resistance, colour tone stability and very good adhesion on aluminium and zinc-coated steel.

Field of application: Finishing coating on steel with appropriate priming, respectively as one coat varnish for aluminium sheet metal or zinc-coated steel sheet metal for indoors (e.g. industry varnishing, switching cabinets, machine housings, office furniture, construction machines, gardening tools, window sills, etc.)

Color tone: On request

Technical data

Binder: Acrylic resin, isocyanate

Weight %: 50 ± 3

Vol. %: 37 ± 3

Pigment: Colored pigments

Spreading rate - theoret. mean value:

8.4 m² / kg at 40 µm DFT

Mixing ratio:

Weight 5:1

Vol. 4,5:1

Practical consumption:

about 180 g / m² at 40 µm DFT

Hardener:

For indoors 966/Art.no.8381035.

For outdoors 967/Art.no.8381036.

Diluent:

665/Art.no.9000503.

Pot life: about 8 hrs./20° C

Delivered viscosity:

50 sec./4mm DIN-Cup/20° C

Cleaning: Diluent 665

Temperature stability:

Up to + 150° C (dry)

Density: 1.05 – 1.15

Gloss: satin-gloss

Drying:

Dust-dry - after about 1 hr./20° C

Touch-dry - after about 2 hrs./20° C

Solids:

Fully dry - after about 8 hrs./20° C
at 80° C object temperature fully dry
- after about 20 min.

Repairable - after about 8 hrs./20° C

Processing

Painting ground pre-treatment:

Steel:

Sandblasting derusting SA 2 1/2 according to EN ISO 12944, priming with Ebelux A-10 Füllgrund ZP or EP Grundierfüller.

Zincd iron:

Degreasing, removing of contaminations and white rust.

Aluminum:

Sandblasting or abrading or appropriate chemical pre-treatment.

Application:

Air, electrostatic or air-mix spraying.

Processing viscosity:

Air-mix-spraying - with about 45 sec.
Air and electrostatic spraying - with about 25 sec.

Processing temperature:

Do not process below + 5° C. The intrinsic temperature of the surfaces to be treated has to be doubtlessly above the dew point of the surrounding air (see EN ISO 12944).

Structure proposals:

On steel:

Indoors

1x Ebelux A 10 Füllgrund ZP 50 µm DFT
or EP Grundierfüller
1x Ebephen AC Maschinenlack 40 µm DFT

Outdoors

2x Ebelux A-10 Füllgrund ZP for 50 µm DFT
or EP Grundierfüller
2x Ebephen AC Maschinenlacke for 40 µm DFT

On zincd steel respectively on aluminum

Indoors

1-2x Ebephen AC Maschinenlack for 40 µm DFT
(depending on color tone)

Outdoors

1 x Ebelux A-10 Füllgrund ZP 50 µm DFT
or EP Grundierfüller
2x Ebephen AC Maschinenlack for 40 µm DFT

Storability: Storable for 12 months in original unopened package at a storage temperature between + 5° C and + 30° C.

The information provided in the product description and in the processing instructions is based on data and experience to be considered as reliable for an expert under normal working conditions and in connection with the relevant practice.

The expert assumes the processing risk.

Any change of the processing sequence, the environment conditions or the non-respect of recommendations can have a disadvantageous influence on the result. As we cannot influence the respective processing conditions, we explicitly do not assume any responsibility for the result achieved with the product and for the subsequent and side results whatsoever.

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