

TECHNICAL DATA SHEET

756

4391...,4390....

Product name: **EBEPHEN AC STRUKTURLACK**
EBEPHEN AC STRUCTURE VARNISH

Properties: High-grade 2-component finishing coating on acrylic-resin isocyanate basis, excellent weather and scratch resistance, color tone stability and perfect adhesion on aluminum and galvanized steel.

Field of application: For constructions made of aluminum or galvanized steel, for aluminum sheet metal or galvanized steel sheet metal for indoors and outdoors, as well as for industry varnishing, household appliances, machine housings etc.

Color tone: On request

Technical data

Binder: Acrylic resin, isocyanate

Pigment:
Titanium dioxide, colored pigments

Mixing ratio:

Hardener outdoor:

Art.Nr.8381012. gew. 5:1, vol. 4:1

Art.Nr.8354013. gew. 7:1, vol. 6:1

Hardner indoor:

Art.Nr.8381007. gew. 5:1, vol. 4:1

Pot life: min. 8 hrs./20° C

Delivered viscosity:

Thixotrope

Density: 1.1 – 1.2

Gloss:

4391....Satin-finished, gloss grade: 60 – 80

4390....Glossy, gloss grade: 70 – 90

Solids: Weight %: 61 ± 3
Vol. %: 49 ± 3

Spreading rate - theoret.mean value:

10.4 m² / kg for 40 µm DFT

Practical consumption:

about 140 g / m² for 40 µm DFT

Diluent: 665/Art.no.9000503.

Cleaning: Diluent 665

Drying:

Dust-dry	- after about 1 hr./20° C
Touch-dry	- after about 2 hrs./20° C
Fully dry	- after about 8 hrs./20° C
Repairable	- after about 8 hrs./20° C

Temperature stability:

Up to + 150° C (dry)

Processing

Painting ground pre-treatment:

Steel:

Sandblasting derusting SA 2 1/2 according to EN ISO 12944

Galvanized steel:

Degreasing, removing of contaminations and white rust

Aluminum:

Sandblasting or abrading and degreasing, or appropriate chemical pre-treatment.

Application:

Spraying (spray gun, pressure pot)

1. Pre-spraying diluted: nozzle 1.5-1.8 mm,

pressure: 4 - 6

bar

2. Structure spraying undiluted:

Nozzle: 1.5-1.8 mm, pressure: 1 - 2 bar

Processing temperature:

Pre-spraying with about 25-30 sec. (add about 20 % diluent), structure spraying without diluent.

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:

Indoors

On steel:

1x Ebelux A-10 Füllgrund ZP 50 µm DFT

1x Ebephen AC Strukturlack 40 µm DFT

pre-spraying with diluent

1x Ebephen AC Strukturlack structure spraying without diluent

On galvanized steel resp. on aluminum

1x Ebephen AC Strukturlack 40 µm DFT

pre-spraying with diluent

1x Ebephen AC Strukturlack structure spraying without diluent

Outdoors:

Priming with Ebelux A-10 Füllgrund ZP on steel 2x, on aluminum and galvanized steel 1 x.

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.

Issue date: 01/07/2023

Copyright © KANSAI HELIOS Austria GmbH