Aalterpaint

TECHNICAL DATA SHEET

Apecoat MIO HS E96

Reference	E96
Description	Two-component epoxy high solids intermediate and finish coat based on micaceous iron oxide.
Recommended use	High-grade anticorrosion protection of steel structures in industrial and marine conditions through the high content of micaceous iron oxide with lamellar characteristics. Can be applied in high film thicknesses. APECOAT MIO HS E96 is used as an intermediate and finish coat in epoxy polyurethane systems.
Composition	Epoxy-Special polyamide-Micaceous iron oxide
Support	Steel, hot-dip galvanisation treated with a suitable primer.
Colour	MIO. Limited range of micaceous iron oxide colours.

TECHNICAL INFORMATION AT 20°C AND 60% RH

Density ± 1.6 kg/l

Drying time Drying time (60 µ dry)

Dust free	Tack free	Recoatable with epoxy coatings
		Minimum
1-2 hours	4 hours	6 hours

Mixing ration By volume: 83/17

Dry volume weight ± 70%

Theoretical coverage For 100µ dry: 7.0 m²/liter

VOC 290 g/liter

The values in this technical data sheet are typical values and can differ from batch to batch.

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RECOMMENDED USE

Recommended thickness

Application method	Roller	Brush	Airless
Dry (µ)	60-100	60-100	80-200

Thinner

Thinner 118	Roller	Brush	Airless
%	0-3	0-3	0-5

Cleaner Thinner 118

Temperature substrate +3°C above dew point

Relative humidity and temperature Maximum 85% RH
Minimum +5°C

Processing time 4 hours

SUBSTRATE

Suitable primer Apecoat Primer HS E86

Preparation

Steel

Remove any grease and contaminants, grit blast to Sa 2.5 and remove dust from the substrate. Can also be applied on a suitable primer. On manually prepared substrates to St3, apply the first coat with a brush to obtain good penetration of the paint.

Galvanization

Remove zinc salts with hard brush and water followed by light sweep blasting with a non-metallic medium until mat surface.

Old, sound, well-adhering paints

Remove contaminants, degrease and sand the surface. Remove any rust to St3 and touch up with a suitable primer. Always test compatibility of the old paint with the subsequent coat.

Maximum dry temperature 100°C

SYSTEM: EXAMPLE

1e coat	Apecoat Primer HS E86	120 µ
2e coat	Apecoat MIO HS E96	120 µ
3e coat	Acrydur HB Finish A39	80 µ

SAFETY DATE

Flash point °C Between 21°C and 55°C

Packaging 20 liter (16.6 liter base and 3.4 liter hardener)

See MSDS for further information.

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SHELF LIFE

Shelf life	24 months in original and sealed containers in a dry, covered storage space – temperature between 5 and 35 °C.

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