



Aalterpaint

TECHNICAL DATA SHEET **Apecoat HB MIO E93-75**



| | |
|------------------------|---|
| Reference | E93-75 |
| Description | Two-component epoxy high-build intermediate and finish coat based on micaceous iron oxide. |
| Recommended use | High-grade anticorrosion protection of steel structures in industrial and marine conditions due to the high content of micaceous iron oxide with lamellar characteristics. Can be applied in high film thicknesses. APECOAT HB MIO E93-75 is used as an intermediate and finish coat in epoxy polyurethane systems. |
| Approvals | Approved by NMBS/SNCB, Belgium's national Railway company. |
| Composition | Epoxy-Polyamide-Micaceous iron oxide |
| Support | Steel treated with a suitable primer, metallisation, hot-dip galvanisation. |
| Colour | Grey MIO. The following colours are also approved by the NMBS: MIO-blue: E93-76, MIO-red brown, E93-77 and MIO-pink: E93-78 |

TECHNICAL INFORMATION AT 20°C AND 60% RH

Density ± 1.75 kg/l

Drying time

Drying time (60 µ dry)

| Dust free | Tack free | Recoatable | |
|-----------|-----------|------------|---|
| | | Minimum | Maximum |
| 1 hour | 3 hours | 12 hours | Unlimited after cleaning and removing of impurities |

Mixing ration

By weight: 88/12
By volume: 77.5/22.5

Dry volume weight

± 60%

Theoretical coverage

For 60µ dry: 10.0 m²/liter

VOC

344 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) | 60-80 | 60-80 | 60-160 |
| 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 | 8 hours | | | |

SUBSTRATE

| | |
|--------------------------------|--|
| Suitable primer | Apecoat HB Primer E81-75, Apecoat zinc primer E8 |
| Preparation | <p>Primer Remove any grease and contaminants.</p> <p>Metallisation Remove zinc salts, thin first coat with ~ 25% thinner 118 as colmatation layer.</p> <p>Galvanization Remove zinc salts with hard brush and water followed by light sweep blasting with a non-metallic medium until mat surface or chemical aging with Galva-Wash Z105.</p> <p>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.</p> |
| Maximum dry temperature | 100°C |

SYSTEM: EXAMPLE

| | | |
|---------------------|-------------------------|-------|
| Surface: | Grit blast 2 ½ | |
| 1 ^e coat | Apecoat Primer E81-75 | 100 μ |
| 2 ^e coat | Apecoat HB MIO E93-75 | 120 μ |
| 3 ^e coat | Acrydur HB Finish A2036 | 80 μ |

SAFETY DATE

| | |
|-----------------------|-----------------------|
| Flash point °C | Between 21°C and 55°C |
| Packaging | 25kg |

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.

The information contained in this technical data sheet was obtained from sources, which are reliable to the best of our knowledge can in no case imply our liability. Please ensure that you have the latest version of the Technical data sheet.

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