

Technical Data Sheet: Ref: TDS-HPC-0001-3

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Date of issue: June 2017

## A570-2003

### POLYAMIDE CURED EPOXY MIO, HB INTERMEDIATE COATING

<b>GENERIC TYPE</b>	Epoxy																								
<b>DESCRIPTION</b>	A570-2003 is a two component, polyamide cured, and high build epoxy coating, and containing micaceous iron oxide.																								
<b>RECOMMENDED USE</b>	As a special coating on marine environments such as deck, hulls, super structures, and tank exteriors, structural steel, Chemical plants, refineries, petrochemical plant zones, offshore platforms & other structures exposed to severe Weathering, soft water, salt spray, immersion, or aggressive chemical environments.																								
<b>FEATURES</b>	<ul style="list-style-type: none"> <li>- Excellent chemical &amp; water resistance</li> <li>- Excellent durability in both marine &amp; industrial environments</li> <li>- Excellent adhesion on substrates such as steel galvanized steel, aluminum &amp; concrete surfaces</li> <li>- Has an outstanding performance with high build dry film thickness, from 100-150 microns</li> </ul>																								
<b>PHYSICAL PROPERTIES</b>	<table border="0"> <tr> <td>Finish</td> <td>Flat – Semi flat</td> </tr> <tr> <td>Color</td> <td>Gray</td> </tr> <tr> <td>Solid by volume</td> <td>62±2%</td> </tr> <tr> <td>Specific Gravity</td> <td>1.55±0.1 gr/cm<sup>3</sup></td> </tr> <tr> <td>Flash point</td> <td>30 °C</td> </tr> <tr> <td>Recommended D.F.T.</td> <td>100-150 microns</td> </tr> <tr> <td>Theoretical coverage</td> <td>4.10-6.20 m<sup>2</sup>/Lit</td> </tr> <tr> <td></td> <td>Practical coverage depends on loss factor</td> </tr> <tr> <td>Touch dry</td> <td>5 hrs. at 20°C</td> </tr> <tr> <td>Hard dry</td> <td>24 hrs. at 20°C</td> </tr> <tr> <td>Full Cured</td> <td>7 days. at 20°C</td> </tr> <tr> <td>Thermal resistance</td> <td>Max. 140°C (dry exposure)</td> </tr> </table>	Finish	Flat – Semi flat	Color	Gray	Solid by volume	62±2%	Specific Gravity	1.55±0.1 gr/cm <sup>3</sup>	Flash point	30 °C	Recommended D.F.T.	100-150 microns	Theoretical coverage	4.10-6.20 m <sup>2</sup> /Lit		Practical coverage depends on loss factor	Touch dry	5 hrs. at 20°C	Hard dry	24 hrs. at 20°C	Full Cured	7 days. at 20°C	Thermal resistance	Max. 140°C (dry exposure)
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## APPLICATION

Application method	Air/Airless spray, Brush, Roller
Surface temperature	10-40 °C
Mixing ratio(by weight)	6:1
Packaging(A+B)	24KG+4KG
Hardener(B)	A275-2008-50
Thinner/Cleaner	A840-0570
Recoat interval	Min 24 hrs.at 20°C, Max 10 days. at 20°C
Pot Life	8 hrs. at 20°C
Application condition	Apply only on a dry and clean surface with a temperature above the dew point to avoid condensation Environment Temperature should be 10 °C min and 40 °C max and Relative humidity: 80% maximum.
Nozzle orifice	0.017"-0.025"
Nozzle pressure	150 bar/2175 psi Airless spray is indicative and subject to adjustment

## SURFACE PREPARATION

The surface must be clean and dry, and free from any other foreign materials old primed surfaces must be sweep blasting to achieve roughness for better inter-coat adhesion.

## SAFETY PRECAUTIONS

Detail information is given on the Material Safety Data Sheet (MSDS). Avoid inhalation of spray mist or vapor. Avoid skin and eye contact. Paint contacted with skin should be immediately removed with water and/or suitable cleanser. Eyes should be flushed with water and seek immediate medical attention. Since this product contains flammable solvents, keep away from sparks, and open flames. The application and handling of this product should be in compliance with relevant national regulations.

## STORAGE

Store in dry, cool condition and away from sources of heat and ignition. Containers must be kept tightly closed. Store conditions shall be in accordance with national regulations.

## SHELF LIFE

12 months from date of production.

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