

Technical Data Sheet: Ref: TDS-HPC-0001-V03

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Date of issue: June 2022

A570-1008

POLYAMIDE CURED ZINC RICH EPOXY PRIMER

GENERIC TYPE	Epoxy																										
DESCRIPTION	A570-1008 is a two component, polyamide cured epoxy Primer, containing zinc dust as corrosion inhabiting pigment.																										
RECOMMENDED USE	As a versatile long-life primer on steel, suitable for application on industrial structures to be exposed in severe corrosive atmosphere.																										
FEATURES	<ul style="list-style-type: none"> - Suitable as prefabrication primer - Good cutting and welding properties - Suitable as a first coat in various paint systems - Corrosion resistance in moderately to severely environment 																										
PHYSICAL PROPERTIES	<table border="0"> <tr> <td>Finish</td> <td>Matt</td> </tr> <tr> <td>Color</td> <td>Gray</td> </tr> <tr> <td>Solid by volume</td> <td>63±2%</td> </tr> <tr> <td>Specific Gravity</td> <td>3±0.1/cm³</td> </tr> <tr> <td>Flash point</td> <td>29 °C</td> </tr> <tr> <td>Recommended D.F.T.</td> <td>50-70 microns</td> </tr> <tr> <td>Theoretical coverage</td> <td>9-12.6 m²/Lit</td> </tr> <tr> <td></td> <td>Practical coverage depends on loss factor</td> </tr> <tr> <td>Zinc content in dry film</td> <td>85±5% by weight</td> </tr> <tr> <td>Touch dry</td> <td>2 hrs. at 20°C</td> </tr> <tr> <td>Dry to handle</td> <td>4 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. 150°C (dry exposure)</td> </tr> </table>	Finish	Matt	Color	Gray	Solid by volume	63±2%	Specific Gravity	3±0.1/cm ³	Flash point	29 °C	Recommended D.F.T.	50-70 microns	Theoretical coverage	9-12.6 m ² /Lit		Practical coverage depends on loss factor	Zinc content in dry film	85±5% by weight	Touch dry	2 hrs. at 20°C	Dry to handle	4 hrs. at 20°C	Full Cured	7 days. at 20°C	Thermal resistance	Max. 150°C (dry exposure)
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APPLICATION

Application method	Air/Airless spray, Brush, Roller
Surface temperature	10-40 °C
Mixing ratio(by weight)	14:1
Packaging(A+B)	28KG+2KG
Hardener(B)	A275-2008-50
Thinner/Cleaner	A840-0570
Recoat interval	Min 16 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.
Airless spray	Pressure at nozzle: 180 -300 bar. Nozzle size: 0.38 - 0.53 mm. Spray angle: 40 - 80 degrees. Volume of thinner: 0 – 3%
Air spray	Pressure. 4 - 6 bar. Nozzle size: 1.2 - 2.0 mm. Volume of thinner: 0 – 10%.
Brush/Roller	Suitable but in general recommended for touch-up of small areas. Multi-coats are required to achieve the specified dry film thickness. Volume of thinner: 0 – 5%.
Losses in percentages	Depending on the method of application, working conditions, shape of the structure

SURFACE PREPARATION

Remove oil and grease, etc. with suitable detergent. Remove salt and other contaminants by (high pressure) fresh water cleaning. Abrasive blasting to Sa 2½, SSPC-10 with a sharp-edged surface profile corresponding to Rugotest No. 3, BN9a, keaneTator comparator, 2.0 G/S or ISO comparator, medium (G).
For repair and maintenance remove oil and grease ,salts and other contaminants .Clean damaged areas by power tool cleaning to minimum ST3 or Sa2 by abrasive blasting.(only for non-immersion areas)

SUBSEQUENT COAT

The following topcoats/intermediates are recommended for zinc rich epoxy primer (A570-1008):
- Polyamide cured epoxy MIO, HB intermediate (A570-2003)
- Polyamide cured epoxy HB intermediate (A570-2005)

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.

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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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