

Technical Data Sheet: Ref: TDS-HPC-0001-V06

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A570-3015

POLYAMINE CURED MODIFIED EPOXY PHENOLIC COATING

GENERIC TYPE	Modified Epoxy	
DESCRIPTION	A570-3015 is a two component, polyamine cured, modified epoxy phenolic.	
RECOMMENDED USE	As a protective coating in industrial and marine structures over concrete or metal surfaces. Resistant to a variety of chemicals, fuel oils & solvents, As a general-purpose is suitable for lining storage tanks ship.	
FEATURES	<ul style="list-style-type: none"> - Excellent mechanical strength - Excellent chemical resistance against acids alkalis - High oil resistance - Corrosion resistance in moderately to severely environment - Suitable for steel and concrete exposed to splash, spillage, fumes of corrosive chemical - Suitable as a lining in storage tanks, on sub-state exposed to immersion and splash of seawater 	
PHYSICAL PROPERTIES	Finish	Semi flat – Semi gloss
	Color	Upon request
	Solid by volume	78±2%
	Specific Gravity	1.45 ± 0.05 gr/cm ³
	Flash point	35 °C
	Recommended D.F.T.	100-150 microns
	Theoretical coverage	5.20-7.80 m ² /Lit~3.58-5.37 m ² /Kg
		Practical coverage depends on the loss factor
	Touch dry	8 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) Immersed, Crude Oil 60 °C

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APPLICATION

Application method	Air/Airless spray, Brush, Roller
Surface temperature	10-40 °C
Mixing ratio(by weight)	5:1
Packaging(A+B)	20KG+4KG
Hardener(B)	A275-2006-1002
Thinner/Cleaner	A840-0570
Recoat interval	Min 24 hrs.at 20°C, Max 3 days. at 20°C
Pot Life	2 hrs. at 20°C
Application condition	Apply only on a dry and clean surface with a temperature at least 3°C 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).
The surface preparation method shall be by Sa 2½ (ISO 8501-1:2007). The surface profile and the anchor pattern shall be between 40 µm and 70 µm.(17)

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

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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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