

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

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Date of issue: June 2017

## A414-1001

### POLYURETHANE ANTI-CORROSSIVE PRIMER & INTERMEDIATE

<b>GENERIC TYPE</b>	Polyurethane	
<b>DESCRIPTION</b>	A414-1001 is two components, aromatic isocyanate cured polyurethane primer or intermediate.	
<b>RECOMMENDED USE</b>	As an anti-corrosive primer on industrial structures, tanks, chemical & petrochemical atmospheric environments, pulp& paper industry, food & beverage plants, bridge & marine structures on ships, barge & offshore platforms, also on concrete substrate.	
<b>FEATURES</b>	<ul style="list-style-type: none"> <li>- Good adhesion on metal &amp; concrete surfaces</li> <li>- Excellent flexibility</li> <li>- Corrosion resistance properties</li> <li>- Water &amp; chemical resistance</li> </ul>	
<b>PHYSICAL PROPERTIES</b>	Finish	Flat – Semi flat
	Color	Upon request
	Solid by volume	53±2%
	Specific Gravity	1.35±0.1 gr/cm <sup>3</sup>
	Flash point	30 °C
	Recommended D.F.T.	60-80 microns
	Theoretical coverage	6.60-8.80 m <sup>2</sup> / Lit
		Practical coverage depends on loss factor
	Touch dry	3 hrs. at 20°C
	Hard dry	24 hrs. at 20°C
	Full Cured	7 days. at 20°C
	Thermal resistance	Max. 120°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)	20KG+3.30KG
Hardener(B)	A275-2007-50
Thinner/Cleaner	A840-0414
Recoat interval	Min 24 hrs.at 20°C , Max 14 days .at 20 °C
Pot Life	5 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"-0.023"
Nozzle pressure	150 bar/2175 psi Airless spray is indicative and subject to adjustment

## SURFACE PREPARATION

- All surfaces to be coated should be completely clean, dry and free from contamination. Surface preparation method shall be in accordance with ISO 8504: 2000.
- Remove salt and other water-soluble contaminants by fresh water.
- Remove oil and grease with suitable detergent or solvent (SSPC-SP-1).
- Remove rust, mill scale and other loose material completely by abrasive blasting (ISO 8501-1:2007 Sa 2 1/2 or SSPC SP-10).

## 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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