

Technical Data Sheet: Ref: TDS-HPC-0001-V002

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Date of issue: April- 2024

## A570-M215

### POLYAMIDE CURED VINYL MODIFIED EPOXY SEALER

<b>GENERIC TYPE</b>	Modified vinyl Epoxy																								
<b>DESCRIPTION</b>	A570-M215 is a two component, polyamide cured, and high build tie-coat or sealer epoxy modified coating.																								
<b>RECOMMENDED USE</b>	POLYAMIDE CURED VINYL MODIFIED EPOXY SEALER Specially designed as a tie coat between epoxy primers and antifouling systems. To be used as tie coat in immersed environments. Suitable on approved primers on aluminum, carbon steel, composite and wood substrates. Suitable as tie coat for a wide range of Kansai Ant-fouling system.																								
<b>FEATURES</b>	<ul style="list-style-type: none"> <li>- Excellent and wide range of overcoat ability</li> <li>- Excellent adhesion on new and old painted epoxy primers</li> <li>- Suitable as a Tie coat in various anticorrosive paint systems</li> <li>- Enhance the adhesion of topcoat especially in anti-fouling finishes.</li> </ul>																								
<b>PHYSICAL PROPERTIES</b>	<table border="0"> <tr> <td>Finish</td> <td>Flat - Semi flat</td> </tr> <tr> <td>Color</td> <td>Upon request</td> </tr> <tr> <td>Solid by volume</td> <td>65±2%</td> </tr> <tr> <td>Specific Gravity</td> <td>1.43±0.05 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>80-120 microns</td> </tr> <tr> <td>Theoretical coverage</td> <td>5.50-8 m<sup>2</sup>/lit 3.85-5.6 m<sup>2</sup>/kg</td> </tr> <tr> <td></td> <td>Practical coverage depends on the loss factor</td> </tr> <tr> <td>Touch dry</td> <td>1-2 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. 120°C (dry exposure)</td> </tr> </table>	Finish	Flat - Semi flat	Color	Upon request	Solid by volume	65±2%	Specific Gravity	1.43±0.05 gr/cm <sup>3</sup>	Flash point	30 °C	Recommended D.F.T.	80-120 microns	Theoretical coverage	5.50-8 m <sup>2</sup> /lit 3.85-5.6 m <sup>2</sup> /kg		Practical coverage depends on the loss factor	Touch dry	1-2 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= 5:1 by Volume= 3.5:1
Packaging(A+B)	20KG+4KG
Hardener(B)	A275-2006-12
Thinner/Cleaner	A840-0570-1
Recoat interval	Min 24 hrs.at 10°C, Max 10 Days. at 10°C Min 16 Hrs.at 23°C, Max 7 Days. at 23°C Min 8 Hrs.at 30°C, Max 4 Days. At 30°C The surface should be dry and free from contaminants prior to overcoating. If the maximum recoating time is exceeded it may be necessary to roughen the surface to ensure intercoat adhesion. When recoating with single pack products, it is advised to recoat before A570-2015 is fully cured. When in doubt, consult your nearest Kansai office.
Pot Life	6 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.
Nozzle orifice	0.015"-0.021"
Nozzle pressure	150 bar/2175 psi Spray angle: 40 - 80 degrees. Volume of thinner: 0 - 3%.
	Airless spray is indicative and subject to adjustment Temperature of the paint before application: min: 5°C, max: 30°C. Substrate temperature: min: 1°C, max: 35°C. The temperature of the substrate should be at least 3°C above the dew point of the air. Air temperatures and relative humidity must be measured in the vicinity of the substrate.

## SURFACE PREPARATION

**Steel:** Oil and grease should be removed by solvent cleaning according to SSPC-SP1. Remove weld spatter and smooth weld seams and sharp edges as applicable.  
Abrasive blasting: min. Sa2 – ISO 8501:1.  
KPI vinyl sealer may also be applied on suitable anticorrosive systems. Ensure that primed substrates are dry and free from salts and other contaminants.

**Repair:** Existing paint systems should be dry and free from salts and other contaminants. Corroded and/or damaged areas should be blast cleaned to ISO-Sa2 or power tool cleaned to ISO-St3 or Hydro blasted to DW 3 according to STG-2222.

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**Galvanized Steel /Aluminum:** Solvent cleaning according to SSPC-SP1 followed by light blast cleaning with a fine grade abrasive or by mechanical sanding.

**Wood/ Glassfibr:** Ensure surfaces are dry, clean and free from grease and other contaminants. Sand lightly.

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## 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.

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## 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.

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## SHELF LIFE

18 months from date of production.

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