



kansai paint

Kansai Paint Iranian

Technical Data Sheet: Ref: TDS-HPC-0001-V02

[www.kansaipaint.ir](http://www.kansaipaint.ir)

Date of issue: June 2017

## A570-3006

### POLYAMINE CURED EPOXY SOLVENT FREE COAL TAR

<b>GENERIC TYPE</b>	Epoxy																						
<b>DESCRIPTION</b>	A570-3006 is a solvent free two component coal tar epoxy with very high performance.																						
<b>RECOMMENDED USE</b>	As a very high performance protective coating is used for protection of steel & concrete in very highly aggressive conditions such as underwater parts of ships & offshore & sewage plant, pipe lining, ballast tanks, storage tanks & any other areas that need to very thick layers of this compound.																						
<b>FEATURES</b>	<ul style="list-style-type: none"><li>-Excellent corrosion preventive properties</li><li>-Very high water resistance</li><li>-Very good chemical resistance</li><li>-Suitable being applied in very thick layer</li></ul>																						
<b>PHESICAL PROPERTIES</b>	<table><tr><td>Finish</td><td>Semi flat – Semi gloss</td></tr><tr><td>Color</td><td>Black , Brown</td></tr><tr><td>Solid by volume</td><td>95±5%</td></tr><tr><td>Specific Gravity</td><td>1.45±0.1 gr/cm3</td></tr><tr><td>Flash point</td><td>50 °c</td></tr><tr><td>Recommended D.F.T.</td><td>300-1000 microns</td></tr><tr><td>Theoretical coverage</td><td>3.3 -0.9 m<sup>2</sup> / Lit Practical coverage depends on loss factor</td></tr><tr><td>Touch dry</td><td>8 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	Semi flat – Semi gloss	Color	Black , Brown	Solid by volume	95±5%	Specific Gravity	1.45±0.1 gr/cm3	Flash point	50 °c	Recommended D.F.T.	300-1000 microns	Theoretical coverage	3.3 -0.9 m <sup>2</sup> / Lit Practical coverage depends on 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)
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**APPLICATION**

Application method	Airless spray, Brush, Roller, Trowel
Surface temperature	10-40 °c
Mixing ratio(by weight)	5:1
Packaging(A+B)	20KG+4KG
Hardener(B)	A275-2006
Thinner/Cleaner	Don't need
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 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	0.023"-0.027"
Nozzle pressure	250 bar/3600 psi Airless spray is indicative and subject to adjustment

**SURFACE PREPRATION**

**1-Steel**  
Surfaces must be clean and dry. Employ adequate methods to remove dirt, dust, oil and all other contaminants that could interfere with adhesion of the coating.  
Steel Immersion: SSPC-SP10  
Profile: 3.0-4.0 mils (75-100 microns)  
Non-Immersion: SSPC-SP6  
Profile: 2.0-3.0 mils (50-75 microns)

**2-Concrete**  
Concrete must be cured 28 days at 75°F (24°C) and 50% relative humidity or equivalent. Prepare surfaces in accordance with ASTM D4258 ,Surface Cleaning of Concrete and ASTM D4259 Abrading Concrete.

**3-Galvanized Steel**  
Abrasive blast to achieve a minimum 2-3 mils (50-75 microns) profile

**SAFETY PRECAUTIONS**

Detail information is given on 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. 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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