



kansai paint

Kansai Paint Iranian

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

www.kansaipaint.ir

Date of issue: June 2017

A570-3003

HIGH SOLID GLASS FLAKE EPOXY COATING

GENERIC TYPE	Epoxy																						
DESCRIPTION	A570-3003 is a two component, polyamine cured, low VOC high build glass flake epoxy coating.																						
RECOMMENDED USE	As a low VOC epoxy coating with excellent chemical and mechanical properties, suitable for marine structures. High performance abrasion, chemical and corrosion. It protects both steel and concrete structures in severe environments including marine structures petroleum and heavy industrial facilities.																						
FEATURES	<ul style="list-style-type: none">-Excellent mechanical strength-High resistance against crude oil-High chemical resistance against acids and alkalis-Applicable in high film thickness-High sea water resistance or use in splash and tidal zone-High film build, high solids, low VOC-Ease of application																						
PHESICAL PROPERTIES	<table><tr><td>Finish</td><td>Semi flat – Semi gloss</td></tr><tr><td>Color</td><td>Limited</td></tr><tr><td>Solid by volume</td><td>90±5%</td></tr><tr><td>Specific Gravity</td><td>1.45±0.1 gr/cm3</td></tr><tr><td>Flash point</td><td>38 °c</td></tr><tr><td>Recommended D.F.T.</td><td>300-500 microns</td></tr><tr><td>Theoretical coverage</td><td>3.16 -1.7 m² / 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	Limited	Solid by volume	90±5%	Specific Gravity	1.45±0.1 gr/cm3	Flash point	38 °c	Recommended D.F.T.	300-500 microns	Theoretical coverage	3.16 -1.7 m ² / 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
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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