

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

Date of issue: June 2017

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A322-1002

ALKYD URETHANE IRON OXIDE PRIMER

GENERIC TYPE	Alkyd urethane																						
DESCRIPTION	A322-1002 is a relatively quick- drying red iron oxide primer based on alkyd urethane.																						
RECOMMENDED USE	As a general purpose primer for protection of steel in mild to medium atmospheric corrosive environments.																						
FEATURE	<ul style="list-style-type: none"> -Fast drying corrosion resistance -Suitable above water service -As a general purpose primer on steel structures -Has a good humidity resistance -Excellent spray ability 																						
PHYSICAL PROPERTIES	<table border="1"> <tr> <td>Finish</td> <td>Flat</td> </tr> <tr> <td>Color</td> <td>Red</td> </tr> <tr> <td>Solid by volume</td> <td>55±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>60-80 microns</td> </tr> <tr> <td>Theoretical coverage</td> <td>10-6.25 m² /Lit</td> </tr> <tr> <td></td> <td>Practical coverage depends on loss factor</td> </tr> <tr> <td>Touch dry</td> <td>1 hrs. at 20°c</td> </tr> <tr> <td>Hard dry</td> <td>8 hrs. at 20°c</td> </tr> <tr> <td>Thermal resistance</td> <td>Max. 100°c (dry exposure)</td> </tr> </table>	Finish	Flat	Color	Red	Solid by volume	55±5%	Specific Gravity	1.45±0.1 gr/cm ³	Flash point	38 °c	Recommended D.F.T.	60-80 microns	Theoretical coverage	10-6.25 m ² /Lit		Practical coverage depends on loss factor	Touch dry	1 hrs. at 20°c	Hard dry	8 hrs. at 20°c	Thermal resistance	Max. 100°c (dry exposure)
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APPLICATION

Application method	Air/Airless spray, Brush, Roller
Surface temperature	10-50 °c
Mixing ratio	Single pack
Packaging	25 KG
Thinner/cleaner	A840-0322-1
Pot Life	N/A
Recoat interval	Min 8 hrs. at 20° c Max 30 days at 20° c Recoating intervals related to later conditions of exposure
Nozzle orifice	0.019"-0.021"
Nozzle pressure	150 bar/2175 psi Airless spray is indicative and subject to adjustment
Application condition	Apply only on a dry and clean surface with a temperature above the dew point to avoid condensation. In confined spaces provide adequate ventilation during application and drying.

SURFACE PREPARATION

For new steel abrasive blasting to minimum Sa2, alternatively power tool cleaning to St-3. For maintenance remove oil and grease and any other contaminants by suitable detergent and consequently by high-pressure fresh water cleaning. Remove all rust and loose material by abrasive blasting or power-tool cleaning, dust off residues before painting.

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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