

Intergard 475HS

High anticorrosive performance

Do you want more than long term corrosion protection from your intermediate? How about high solids, low VOCs and an extended overcoating interval?

Used on the Sydney Harbour Bridge, Intergard® 475HS is the ideal choice in providing project flexibility and protecting assets in tough environments.

What more do you need?

- High solids epoxy intermediate
- Micaceous Iron Oxide variant for additional barrier protection
- 8 mils (200 µm) DFT possible in one coat
- Low VOC
- Approved for use in Norsok M501 System 1 specifications
- Designed to provide optimum adhesion for top coats



The combination of economics and environmental responsibility makes Intergard 475HS the ideal product for use in fabrication shops

Intergard® 475HS has been formulated to accommodate the trend towards environmentally responsible coatings while not compromising the overall cost of the coating system. The high solids formulation allows the application of Intergard® 475HS at 8 mils (200 microns) as an intermediate coat, thus eliminating a full coat of paint from those conventional specifications which call for 2 coats of epoxy intermediate.

Intergard® 475HS is typically applied over epoxy, zinc epoxy or inorganic zinc primers as part of a multi-coat system for steel surfaces such as:

- Offshore platforms
- Mining Conveyors
- Bridges
- Structural Steel
- Cranes
- Wind Turbines

Technical information

Color	Light grey MIO and a selected range of colors	
Gloss level	Matt	
Volume solids	80%	
Film thickness	5-8 mils (125-200 µm) dry	
Mix ratio	3 : 1 by volume	
Temperature	Touch Dry	Min Recoat
41°F (5°C)	90 minutes	16 hours
59°F (15°C)	75 minutes	10 hours
77°F (25°C)	60 minutes	5 hours
VOCs	1.72 lb/gal	(207 g/l) USA - EPA Method 24
	92 g/kg	EU Solvent Emissions Directive (Council Directive 1999/13/EC)

Test data

	TEST METHOD	SPECIFICATION DETAIL	RESULTS
Hardness	ASTM D3363 - "Film hardness by Pencil Test"	1 x 8 mils (200 µm) DFT applied directly to Sa2.5 (SSPC-SP6) blasted steel	Classification 4H
Impact	ASTM D2794 - "Resistance to the Effects of Rapid Deformation (Impact)"	1 x 8 mils (200 µm) DFT applied directly to Sa2.5 (SSPC-SP6) blasted steel	Direct Impact Resistance - 3.2 Joules
Adhesion	ISO 4624	1 x 8 mils (200 µm) DFT applied directly over epoxy primer	Not less than 1740 psi (12 MPa)
Salt spray	ISO 7253	1 x 8 mils (200 µm) DFT applied over zinc rich epoxy primer	No film defects and no rust creep at the scribe after 4000 hours

The above performance data has been compiled based on present experience of in-service product performance and upon performance data obtained under laboratory test conditions. Actual performance of the product will depend upon the conditions in which the product is used.

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