

# Interthane<sup>®</sup> 990

Long term recoatability with aesthetics

Across the world, people are experiencing flexible application, extended recoat windows and reduced surface preparation costs with Interthane 990.

You can specify and apply Interthane polyurethane in a range of colours or as a metallic finish; both deliver high aesthetic impact.

- High performance acrylic polyurethane finish coat
- Extensive colour range from Chromascan<sup>®</sup>
- High quality reds, yellows and oranges
- Metallic colour range for high profile steelwork
- Excellent brush, roller and spray characteristics
- Good drying and handling characteristics
- Flexible film gives a good resistance to mechanical damage
- Extended overcoating



# Interthane 990 is a two component acrylic urethane finish providing excellent durability and long term recoatability

Interthane 990 is suitable for use in both new construction and as a maintenance finish. It can be used on a wide variety of assets in many different environments. Structures serving the offshore oil and gas, chemical and petrochemical, mining and power industries as well as bridges and infrastructure have all benefited from the protection of Interthane 990.

## Intended Uses

Interthane 990 is a typical recommendation where there is a requirement for a long term, durable finish to be applied over a high performance anti-corrosive system.

## Global Availability

As part of our global product range, Interthane 990 is available anywhere in the world, to the same standard and quality.

## Technical Information

Colour	Wide range via the Chromascan system			
Gloss Level	High Gloss			
Volume Solids	57% ± 3% (depends on the colour)			
Film Thickness	50-75µm (2-3 mils) dry			
Mix Ratio	6:1 by volume			
Temperature		Overcoating interval		
		Touch Dry	Minimum	Maximum
	5°C (41°F)	5 hours	24 hours	Extended
	15°C (69°F)	2.5 hours	10 hours	Extended
	25°C (77°F)	1.5 hours	6 hours	Extended
40°C (104°F)	1 hours	3 hours	Extended	
VOC's	3.50lb/gal (420g/lit) EPA Method 24, 3.41g/kg EU Solvent Emissions Directive (Council Directive 1999/13/EC)			

## Test Data

	TEST METHOD	SPECIFICATION DETAILS	RESULTS
Pull-Off Adhesion	ISO 4624	1 x 50-75µm (2-3 mils) dft Interthane 990 applied directly over an epoxy primer	Typically 10Mpa (1450psi)
Pencil Hardness	ASTM D3363	1 x 50-75µm (2-3 mils) dft applied Interthane 990 applied directly to Sa2.5 (SSPC-SP6) blasted steel	Classification B to HB.
Impact Resistance	ASTM D2794	1 x 50-75µm (2-3 mils) dft applied Interthane 990 applied directly to Sa2.5 (SSPC-SP6) blasted steel	Direct impact resistance typically 5 Joules
Gloss Retention	ASTM D523	1 x 50-75µm (2-3 mils) dft Interthane 990 applied directly over an aluminium Q-panel	Typical gloss retention of 90% following 1000 hours exposure to UV - A type Fluorescent Lamps
Mandrel Bend Test	ASTM D522	1 x 50-75µm (2-3 mils) dft Interthane 990 applied directly over an aluminium panel	Typically 30% elongation.
Abrasion Resistance	ASTMD4060	1 x 50-75µm (2-3 mils) dft Interthane 990 applied directly to Sa2.5 (SSPC-SP6) blasted steel.	Average of 68mg weight loss per 1000 cycles using CS10 wheels and a 1kg loading

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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