

Interseal[®] 670HS

One product, multiple uses

As a high build epoxy it is suitable for a variety of new construction applications including immersion, as a deck coating or for structural steel.

Excellent anti-corrosive protection with minimal surface preparation even when applied over hand prepared rusty steel makes Interseal 670HS perfect for maintenance too.

- High solids, low VOC, surface tolerant epoxy
- High build - 100-200µm (4-8mils) per coat
- Suitable for immersion
- Exceptional corrosion resistance
- Suitable for application over a range of aged coatings
- Can be applied over abrasive blasted, hydroblasted or mechanically cleaned surfaces
- Available in a range of colours as well as aluminium
- Suitable for application temperatures from -5°C (23°F) to 40°C (104°F)
- Compatible with cathodic protection
- Interseal 670HS is certified to ANSI/NSF standard 61



Interseal 670HS provides excellent anti-corrosive protection

Interseal 670HS is a low VOC, two component, high build, high solids, surface tolerant, epoxy coating suitable for use in both maintenance and new construction. Interseal 670HS is suitable for application to a wide variety of substrates including hand prepared rusted steel, abrasive blast cleaned and hydroblasted steel, and a wide range of intact, aged coatings.

Anti-Corrosive Protection

Interseal 670HS provides excellent anti-corrosive protection in industrial and offshore environments for both atmospheric exposure and immersion service.

Immersion Environments

Interseal 670HS can be used on bridges, offshore splashzones and sub sea structures, ballast tanks and is certified to ANSI/NSF Standard 61 for use in drinking water tanks. Certification is for tanks greater than 100 gallons (378 litres), for pipes six inches (15cm) in diameter or greater, and valves which are two inches (5cm) in diameter or greater.

Chromascan®

Interseal 670HS is available in a range of colours via the Chromascan remote colour tinting system. This means that project shades and specific site colour requirements can be met rapidly and in low volume requirements when required.

Technical Information

Colour	Aluminium and a selected range of colours via Chromascan		
Volume Solids	82%		
Film	100-200µm (4-8mils) dry		
Mix Ratio	5.67:1 by volume		
Temperature	Touch Dry	Min Recoat with Self	Min Recoat with Recommended Topcoat
10°C (50°F)	8 hours	32 hours	20 hours
15°C (59°F)	7 hours	26 hours	14 hours
25°C (77°F)	5 hours	18 hours	10 hours
40°C (104°F)	2 hours	6 hours	4 hours
VOCs	240g/lt EPA Method 24 112g/kg EU Solvent Emissions Directive (Council Directive 1999/13/EC)		

For curing at low temperatures, an alternative curing agent is available. Please consult product datasheet.

Test Data

TEST TYPE	REFERENCE	DETAILS	RESULTS
Pull-Off Adhesion	ISO 4624	1 x 100µm (4 mils) dft Interseal 670HS applied directly to Sa2.5 (SSPC-SP10) blasted steel.	Typically 7Mpa (1015psi) Adhesion
Abrasion Resistance	ASTM D4060b	1 x 125µm (5mils) dft Interseal 670HS applied directly to Sa2.5 (SSPC-SP10) blasted steel.	Average of 259mg weight loss per 1000 cycles using CS17 wheels and a 1Kg loading
Impact Resistance	ASTM D2794	1 x 125µm (5 mils) dft Interseal 670HS applied directly to Sa2.5 (SSPC-SP10) blasted steel	Direct impact resistance typically 4.17 Joules
Cathodic Protection	ASTM G8	2 x 225µm (9 mils) dft Interseal 670HS applied directly to Sa2.5 (SSPC-SP10) blasted steel	Typically less than 3mm disbondment following 30 days exposure.
Salt Spray	ISO 7253	1 x 200µm (8 mils) Interseal 670HS applied directly to Sa2.5 (SSPC-SP10) blasted steel	No film defects and an average of 1mm rust creep at the scribe after 3000 hours exposure
Prohesion Cycling	ASTM G85	1 x 200µm (8 mils) Interseal 670HS applied directly to Sa2.5 (SSPC-SP10) blasted steel	No film defects and an average of 1mm rust creep at the scribe after 3000 hours exposure
Immersion	ISO 2812	1 x 150µm (6 mils) dft Interseal 670HS applied directly to Sa2.5 (SSPC-SP10) blasted steel	No film defects after 1 year exposure
Constant Condensation	ISO 6270	1 x 200µm (8mils) dft Interseal 670HS applied directly to Sa2.5 (SSPC-SP10) blasted steel	No film defects after 4200 hours exposure

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.

www.international-pc.com
protectivecoatings@akzonobel.com

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