

Interzone 505

Protection for severe environments

High performance abrasion, chemical and corrosion resistance with a smoother finish.

- Designed for the protection of steelwork in severe corrosive environments such as splashzones, pilings and chemical plants
- Reinforced with glass flake for enhanced durability and corrosion resistance
- Smooth surface finish when compared to other glass flake epoxy coatings
- High film build, high solids, low VOC
- Significantly improved overcoating intervals and curing speed for increased productivity
- Ease of application
- Compatible with sacrificial and impressed current cathodic protection systems



Interzone 505 - a tough, fast drying and smooth glass flake epoxy

A 90% solids epoxy enhanced with chemically resistant high aspect ratio glass flake, which provides long term, anticorrosive and anti-abrasion protection in new construction and maintenance situations.

Steel protection in severe environments

Interzone® 505 withstands the abrasive and corrosive effects in splash and tidal zones, is resilient to chemical splash and spillages encountered in industrial environments and resists damage in immersed conditions, when used in a suitable system.

Smooth surface finish

Interzone® 505 is enforced with high aspect ratio glass flake but retains a smooth surface finish compared to other glass flake epoxies. Compatible with a range of finishes, Interzone® 505 is an ideal choice as a primer or intermediate in corrosive environments.

Approvals

Interzone® 505 holds Norsok M-501 Rev 5 System 7 approvals for submerged (subsea) areas. Other approvals held include: ACQPA (France), BBA 123 (Bridges) (UK) and UK Network Rail (UK). Please contact your local sales representative for further advice.

Technical information

Color	Limited range available	
Volume solids	90%	
Film thickness	300-500µm (12-20 mils) dry	
Mix ratio	1.5:1	
Application method	Airless spray, Air Spray, Brush, Roller	
Temperature	Touch Dry	Min. Recoat
5°C (41°F)	20 hours	28 hours
15°C (59°F)	6 hours	14 hours
25°C (77°F)	3 hours	6 hours
40°C (104°F)*	2 hours	5 hours
VOC	205g/lit (1.71 lb/gal) 164g/lit	EPA Method 24 EU Solvent Emission Directive (Council Directive 1999/13/EC)

* Elevated temperature curing agent

Test data

TEST TYPE	REFERENCE	DETAILS	RESULTS
Cathodic protection	ASTM G8 - Method A	1 x 500µm (20 mils) dft applied directly to Sa2.5 blasted steel	Typically less than 8mm (⁵ / ₁₆ ") disbondment following 30 days exposure
Immersion resistance	ISO 2812 Part 2 (Modified)	1 x 500µm (20 mils) dft applied directly to Sa2.5 blasted steel	No film defects following 1 year exposure to sea water immersion @ 40°C (104°F)
Salt spray	ISO 7253	2 x 500µm (20 mils) dft applied directly to Sa2.5 blasted steel	No film defects, and an average of 4mm (⁵ / ₃₂ ") rust creep at the scribe following 6,000 hours exposure @ 35°C (95°F)
Impact	ASTM D2794	1 x 400µm (16 mils) dft applied directly to Sa2.5 blasted steel	Direct Impact Resistance - 3 Joules
Abrasion resistance	ASTM D4060	1 x 500µm (20 mils) dft applied directly to Sa2.5 blasted steel	Average of 110mg (1.69gr) weight loss per 1,000 cycles using CS10 wheels and a 1Kg (2.2lbs) loading
Pull-off adhesion	ISO 4624	1 x 500µm (20 mils) dft applied directly to Sa2.5 blasted steel	Not less than 10MPa (1,450psi) when using a PAT Model GM01 hydraulic adhesion tester on 5mm (¹³ / ₆₄ ") thick steel
Elongation at break	ASTM D2370	1 x 1000µm (40 mils) dft "free films"	An average of 1.8% elongation of the coating is achieved prior to fracture
Tensile strength	ASTM D2370	1 x 1000µm (40 mils) dft "free films"	An average of 10MPa (1,450psi) is required to achieve fracture of the coating

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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