

# Interzone 485

## Protection for severe environments

Careful formulation and exhaustive testing.  
The secret behind the success of Interzone® 485.

Resisting both abrasion and corrosion makes it  
one of the toughest and most trusted coatings  
in the industry.

- High film build, high solids, VOC compliant
- Affords protection to steelwork in severe environments where high abrasion and corrosion resistance are required
- Suitable for application as a single coat system, using standard airless spray equipment, economical to apply
- Can be used as a shop, or field applied coating for the externals of hot, cathodically protected oil or gas pipelines
- Excellent resistance to cathodic disbondment, gives good compatibility with both sacrificial anode and impressed current systems
- Can be utilised as an internal tank lining for abrasive slurries in the mining industry
- Excellent resistance to alkalis, chemicals and petroleum products
- Suitable for use as a heavy duty non-skid deck system for application on heliports, work areas and walkways on offshore structures by modification with suitable aggregate



# Interzone 485 provides a versatile solution for the protection of a wide range of steel structures

An ultra high build, high volume solids, two component catalysed epoxy, capable of being applied up to 3000 microns (120 mils) dry film thickness.

## Outstanding anti-corrosive protection

Interzone® 485 has been engineered to provide optimum performance in terms of impact resistance, abrasion resistance, and adhesion properties, while still maintaining the ability to be applied at high film thickness in a single coat using standard airless spray equipment.

Careful formulation, and exhaustive laboratory evaluation has resulted in the development of a tough, hard wearing coating, which can be used to provide high levels of abrasion resistance and corrosion protection to splashzone areas on offshore structures, jetties, and bridges, externals of buried pipelines, or as a non-skid coating for use on heliports, decks and walkways.

Interzone® 485 provides a versatile solution for the protection of a wide range of steel structures operating in the most arduous conditions, located in some of the most severe atmospheric environments around the world.

## Technical information

Color	Grey	
Volume solids	99%	
Film thickness	1000-3000 microns (40-120mils) dry	
Mix ratio	4:1 by volume	
Temperature	Touch Dry	Min. Recoat
10°C (50°F)	14 hours	72 hours
15°C (59°F)	8 hours	36 hours
25°C (77°F)	4 hours	24 hours
40°C (104°F)	2 hours	12 hours
VOC	38g/kg	EU Solvent Emissions Directive (Council Directive 1999/13/EC)

## Test data

TEST TYPE	REFERENCE	DETAILS	RESULTS
Pull-off adhesion	ISO 4624	1 x 1000µm (40 mils) dft applied directly to Sa2.5 (SSPC-SP6) blasted steel	Not less than 12MPa (1740psi) when using PAT Model GM01 hydraulic adhesion tester on 5mm thick steel
Cathodic protection	ASTM G8 - Method A	1 x 1000µm (40 mils) dft applied directly to Sa2.5 (SSPC-SP10) blasted steel	Typically less than 3mm disbondment following 30 days exposure @ 93°C (200°F)
Cathodic protection	ASTM G8 - Method A	1 x 2000µm (80 mils) dft applied directly to Sa2.5 (SSPC-SP10) blasted steel	Typically less than 10mm disbondment following 93 days exposure @ 23°C (73°F)
Impact	ASTM D2794	1 x 2000µm (80 mils) dft applied directly to Sa2.5 (SSPC-SP6) blasted steel	Direct Impact Resistance - exceeds 18 Joules
Abrasion resistance	ASTM D4060	1 x 750-1000µm (30-40 mils) dft applied directly to Sa2.5 (SSPC-SP6) blasted steel	Average of 114mg weight loss per 1000 cycles using CS17 wheels and a 1kg loading
Abrasion resistance	ASTM D4060	1 x 750-1000µm (40 mils) dft applied directly to Sa2.5 (SSPC-SP6) blasted steel	Average of 101mg weight loss per 1000 cycles using CS10 wheels and a 1kg loading
Cyclic corrosion	ASTM D5894	1 x 2000µm (40 mils) dft applied directly	No film defects (other than chalking), and an average of <5mm to Sa2.5 (SSPC-SP10) blasted steel rust creep at the scribe following 4032 hours exposure
Elongation at break	ASTM D2370	1 x 1000µm (40 mils) dft "free film"	An average of 2% elongation of the coating is achieved prior to fracture
Tensile strength	ASTM D2370	1 x 1000µm (40 mils) dft "free film"	An average of 16MPa (2320psi) is required to achieve fracture of the coating
Lap shear	ASTM D1002	1 x 1500µm (60 mils) dft applied directly to Sa2.5 (SSPC-SP6) blasted steel	Not less than 18MPa (2610psi) when carried out at 23°C (73°F)

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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