

## Epoxy

### PRODUCT DESCRIPTION

Two component, ultra-high solids, fast curing, heavy duty epoxy barrier coating formulated for single leg airless spray application. Based on novel hybrid epoxy technology Interzone 9545 is designed to provide long term corrosion protection in aggressive offshore environments. Shows excellent corrosion resistance to abrasion and cathodic disbondment.

### INTENDED USES

Interzone 9545 has been designed primarily to meet the performance requirements for protection of assets in highly corrosive offshore environments in both the Renewable Energy and Oil & Gas markets.

Interzone 9545 has been formulated to provide rapid recoat times even at low temperatures allowing improved productivity and increased throughput in the fabrication shop.

Interzone 9545 has been tested in accordance with ISO12944-9 demonstrating excellent performance in both the splashzone and immersed environments and compatible with cathodic protection systems utilised offshore.

### PRACTICAL INFORMATION FOR INTERZONE 9545

<b>Color</b>	Limited color range available
<b>Gloss Level</b>	Semi-gloss
<b>Volume Solids</b>	95%
<b>Typical Thickness</b>	10-20 mils (250-500 microns) dry equivalent to 10.5-21 mils (263-526 microns) wet
<b>Theoretical Coverage</b>	152 sq.ft/US gallon at 10 mils d.f.t and stated volume solids 3.80 m <sup>2</sup> /liter at 250 microns d.f.t and stated volume solids
<b>Practical Coverage</b>	Allow appropriate loss factors
<b>Method of Application</b>	Airless spray, Brush

### Drying Time

Temperature	Touch Dry	Hard Dry	Overcoating Interval with recommended topcoats	
			Minimum	Maximum
41°F (5°C)	15 hours	18 hours	18 hours	10 days <sup>1</sup>
50°F (10°C)	4 hours	8 hours	6 hours	10 days <sup>1</sup>
77°F (25°C)	3 hours	5 hours	5 hours	10 days <sup>1</sup>
104°F (40°C)	2.5 hours	3 hours	3 hours	10 days <sup>1</sup>

<sup>1</sup> The maximum self-self overcoating interval is 28 days.

Drying times quoted above require a minimum relative humidity of 30%. Longer cure times will result if the relative humidity falls below 30%.

**REGULATORY DATA** **Flash Point (Typical)** Part A 189°F (87°C);Part B 293°F (145°C)

**Product Weight** 13.9 lb/gal (1.66 kg/l)

**VOC** 0.54 lb/gal (65 g/lt) EPA Method 24

## Protective Coatings

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See Product Characteristics section for further details

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### SURFACE PREPARATION

The performance of this product will depend upon the degree of surface preparation. The surface to be coated should be clean, dry and free from contamination. Prior to paint application, all surfaces should be assessed and treated in accordance with ISO 8504:2000.

Oil or grease should be removed in accordance with SSPC-SP1 solvent cleaning.

#### Steel

Abrasive blast clean to SSPC SP10 or Sa2½ (ISO 8501-1:2007). If oxidation has occurred between blasting and application of Interzone 9545, the surface should be reblasted to the specified visual standard.

Surface defects revealed by the blast cleaning process, should be ground, filled, or treated in the appropriate manner.

A sharp, angular surface profile of 3 mils (75 microns) is recommended.

#### Damaged/Repair Areas

For small areas of touch up repair, power tool cleaning to SSPC SP11 is suitable. A minimum surface profile of 2 mils (50 microns) is required.

### APPLICATION

<b>Mixing</b>	Interzone 9545 should be stored at a minimum of 70°F (20°C) for 24 hours prior to application. Material is supplied in two containers as a unit. Always mix a complete unit in the proportions supplied. Once the unit has been mixed, it must be used within the working pot life specified.			
	(1)	Agitate Base (Part A) with a power agitator.		
	(2)	Combine entire contents of Curing Agent (Part B) with Base (Part A) and mix thoroughly with power agitator.		
<b>Mix Ratio</b>	4.25 part(s):1 part(s) by volume			
<b>Working Pot Life</b>	41°F (5°C) 3 hours	50°F (10°C) 2.5 hours	77°F (25°C) 60 minutes	104°F (40°C) 45 minutes
<b>Airless Spray</b>	Recommended	Tip Range 19-23 thou (0.48-0.58 mm) Total output fluid pressure at spray tip not less than 2503 psi (176 kg/cm <sup>2</sup> )		
<b>Brush</b>	Suitable	Recommended for small areas and repairs, multiple coats will be necessary to achieve the required dry film thickness. Typically 8.0-10.0 mils (200-250 microns) can be achieved		
<b>Thinner Cleaner</b>	DO NOT THIN International GTA203			
<b>Work Stoppages</b>	Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with International GTA203. Once units of paint have been mixed they should not be resealed and it is advised that after prolonged stoppages work recommences with freshly mixed units.			
<b>Clean Up</b>	Clean all equipment immediately after use with GTA203. It is good working practice to periodically flush out spray equipment during the course of the working day. Frequency of cleaning will depend upon amount sprayed, temperature and elapsed time, including any delays. All surplus material and			

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empty containers should be disposed of in accordance with appropriate regional regulations/legislation.