

## Acrylic Intumescent

**PRODUCT DESCRIPTION** A single pack, high solids, low VOC intumescent filler.

**INTENDED USES** Designed for repairing small areas of mechanically damaged single pack Interchar intumescent coatings.

### PRACTICAL INFORMATION FOR INTERCHAR 2200

<b>Colour</b>	White			
<b>Gloss Level</b>	Matt			
<b>Volume Solids</b>	85% ± 3% (measured according to ISO 3233)			
<b>Typical Thickness</b>	1000-2000 microns (40-80 mils) dry equivalent to 1176-2353 microns (47-94.1 mils) wet			
<b>Theoretical Coverage</b>	0.60 m <sup>2</sup> /litre at 1500 microns d.f.t and stated volume solids 23 sq.ft/US gallon at 60 mils d.f.t and stated volume solids			
<b>Practical Coverage</b>	Allow appropriate loss factors			
<b>Method of Application</b>	Trowel, Knife			
<b>Drying Time</b>	Overcoating interval with self			
<b>Temperature</b>	<b>Touch Dry</b>	<b>Hard Dry</b>	<i>Minimum</i>	<i>Maximum</i>
10°C (50°F)	1 hour	72 hours	24 hours <sup>2</sup>	Extended <sup>1</sup>
15°C (59°F)	1 hour	60 hours	24 hours <sup>2</sup>	Extended <sup>1</sup>
25°C (77°F)	1 hour	48 hours	24 hours <sup>2</sup>	Extended <sup>1</sup>
40°C (104°F)	1 hour	24 hours	24 hours <sup>2</sup>	Extended <sup>1</sup>

<sup>1</sup> See International Protective Coatings Definitions and Abbreviations

<sup>2</sup> Interchar 2200 can be over-coated with recommended topcoats after 24 hours.

All drying time data has been quoted at typical thickness of 1mm DFT. At higher DFT drying times will be longer.

### REGULATORY DATA

<b>Flash Point (Typical)</b>	26°C (79°F)	
<b>Product Weight</b>	1.45 kg/l (12.1 lb/gal)	
<b>VOC</b>	1.96 lb/gal (235 g/lit)	Theoretical value
	163 g/kg	EU Solvent Emissions Directive (Council Directive 1999/13/EC)

See Product Characteristics section for further details

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### SURFACE PREPARATION

Remove all loose and damaged Interchar intumescent coatings back to a sound edge. Chamfer coated edges by abrading.

All surfaces 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.

Where necessary, remove weld spatter and smooth weld seams and sharp edges.

### Primed Surfaces

Interchar 2200 should always be applied over a recommended anti-corrosive coatings scheme. The primer surface should be of typical appearance, dry and free from all contamination and Interchar 2200 must be applied within the specified overcoating interval for the primer (consult relevant product datasheet). Care must be taken to avoid overlap onto the broken edges of existing topcoats.

Areas of breakdown, damage etc., should be prepared to the specified standard (e.g Sa2½ (ISO 8501-1:2007) or SSPC-SP6, Abrasive Blasting, or SSPC-SP11, Power Tool Cleaning) and patch primed prior to the application of Interchar 2200.

### APPLICATION

<b>Mixing</b>	Remove membrane on surface and mix filler thoroughly before use.
<b>Airless Spray</b>	Not recommended
<b>Air Spray (Pressure Pot)</b>	Not recommended
<b>Brush</b>	Not recommended
<b>Roller</b>	Not recommended
<b>Trowel</b>	Recommended
<b>Thinner</b>	Not normally required
<b>Cleaner</b>	International GTA007
<b>Work Stoppages</b>	All unused material should be stored in tightly closed containers. Partially filled used containers may show surface skinning and/or a viscosity increase of the material after storage. Replace membrane to reduce surface skinning.
<b>Clean Up</b>	Clean all equipment immediately after use with International GTA007.  All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.

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### PRODUCT CHARACTERISTICS

The detailed Interchar 2200 Application Guidelines should be consulted prior to use.

Interchar 2200 is suitable for repair of both water-based and solvent-based single-pack Interchar intumescent products.

For optimum drying properties when applying Interchar 2200 at dry film thicknesses above 1mm (40 mils), it is recommended that multi coats are applied, observing the minimum overcoating times between coats. It is possible to apply Interchar 2200 at up to 2mm (80 mils) in a single coat; however, hardness development and drying/handling times will be longer.

For optimum application and drying characteristics, the air and substrate temperature should be greater than 5°C (41°F) and relative humidity less than 85%. Surface temperature must always be a minimum of 3°C (5°F) above dew point.

When applying Interchar 2200 in confined spaces ensure adequate ventilation.

Interchar 2200 (whether topcoated or not) should be protected from pooling or running water and is not designed for frequent water immersion or soaking.

Drying times at different thicknesses:

Dry film thickness	Hard dry time		
	10°C (50°F)	25°C (77°F)	40°C (104°F)
0.5	10 hours	8 hours	6 hours
1.0	72 hours	48 hours	24 hours
2.0	10 days	7 days	3 days

Note: VOC values are typical and are provided for guidance purpose only. These may be subject to variation depending on factors such as differences in colour and normal manufacturing tolerances.

### SYSTEMS COMPATIBILITY

The following primers are approved for use with Interchar 2200:

Intercure 200	Intercure 200HS
Intergard 251	Intergard 269
Interprime 306	Interseal 670HS
Interzinc 42	Interzinc 52

The following topcoats are approved for use with Interchar 2200:

Intercryl 525	Interfine 878
Intersheen 54	Intersheen 579
Interthane 870	Interthane 990

Where a polysiloxane topcoat is envisaged, application of a tie coat, for example Intergard 269 over the Interchar 2200 will be necessary; please consult the Interchar 2200 Application Guidelines for further information.

Note : In environmental exposure conditions other than internal, dry as per ISO 12944 Part 2, C1 classification, Interchar 2200 must always be suitably topcoated. Consult International Protective Coatings for more details

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### ADDITIONAL INFORMATION

Further information regarding industry standards, terms and abbreviations used in this data sheet can be found in the following documents available at [www.international-pc.com](http://www.international-pc.com):

- Definitions & Abbreviations
- Surface Preparation
- Paint Application
- Theoretical & Practical Coverage
- Interchar 2200 Application Guidelines

Individual copies of these information sections are available upon request.

### SAFETY PRECAUTIONS

This product is intended for use only by professional applicators in industrial situations in accordance with the advice given on this sheet, the Material Safety Data Sheet and the container(s), and should not be used without reference to the Material Safety Data Sheet (MSDS) which International Protective Coatings has provided to its customers.

All work involving the application and use of this product should be performed in compliance with all relevant national, Health, Safety & Environmental standards and regulations.

In the event welding or flame cutting is performed on metal coated with this product, dust and fumes will be emitted which will require the use of appropriate personal protective equipment and adequate local exhaust ventilation.

If in doubt regarding the suitability of use of this product, consult International Protective Coatings for further advice.

<b>PACK SIZE</b>	Unit Size	Vol	Pack
	2.5 litre	3.21 kg	2.5 litre
For availability of other pack sizes, contact International Protective Coatings.			
<b>SHIPPING WEIGHT (TYPICAL)</b>	Unit Size		
	2.5 litre		3.21 kg
<b>STORAGE</b>	Shelf Life	12 months minimum at 25°C (77°F). Subject to re-inspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition.	

### Important Note

*The information in this data sheet is not intended to be exhaustive; any person using the product for any purpose other than that specifically recommended in this data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at their own risk. All advice given or statements made about the product (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability at all for the performance of the product or for (subject to the maximum extent permitted by law) any loss or damage arising out of the use of the product. We hereby disclaim any warranties or representations, express or implied, by operation of law or otherwise, including, without limitation, any implied warranty of merchantability or fitness for a particular purpose. All products supplied and technical advice given are subject to our Conditions of Sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is liable to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to check with their local representative that this data sheet is current prior to using the product.*

*This Technical Data Sheet is available on our website at [www.international-marine.com](http://www.international-marine.com) or [www.international-pc.com](http://www.international-pc.com), and should be the same as this document. Should there be any discrepancies between this document and the version of the Technical Data Sheet that appears on the website, then the version on the website will take precedence.*

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