

## Water Borne Acrylic

### PRODUCT DESCRIPTION

A single component, spray applied, high build, water based coating for direct application over coated substrates and non-ferrous substrates. Interseal 121 dries to form a non-tacky, tough, resilient temporary protective layer.

Interseal 121 utilises patented peelable technology to ensure rapid and complete removal at a wide range of temperatures without deterioration to the underlying coating or substrate.

### INTENDED USES

Interseal 121 is designed to provide excellent short term protection against a wide range of contaminants such as dust, oil, grease, grinding debris, fly rust and coating application overspray whilst providing a degree of resistance to abrasion, grinding debris and scuffing.

The dual protective and unique peelable properties of Interseal 121 make it ideal for use in those market areas where coated substrates require temporary protection against incidental contamination and damage such as that experienced during transit or in a fabrication - assembly construction process.

Interseal 121 can assist in providing a significant reduction in immediate and longer term coating maintenance costs whilst improving productivity during assembly and installation.

### PRACTICAL INFORMATION FOR INTERSEAL 121

<b>Colour</b>	Blue, White
<b>Gloss Level</b>	Gloss
<b>Volume Solids</b>	50%
<b>Typical Thickness</b>	125-250 microns (5-10 mils) dry equivalent to 250-500 microns (10-20 mils) wet
<b>Theoretical Coverage</b>	2.50 m <sup>2</sup> /litre at 200 microns d.f.t and stated volume solids 100 sq.ft/US gallon at 8 mils d.f.t and stated volume solids
<b>Practical Coverage</b>	Allow appropriate loss factors
<b>Method of Application</b>	Airless Spray, Air Spray, Brush
<b>Drying Time</b>	

Temperature	Touch Dry	Peel Time	Overcoating Interval with recommended topcoats	
			Minimum	Maximum
5°C (41°F)	30 minutes	1 hour <sup>1</sup>	30 minutes	Extended <sup>2</sup>
15°C (59°F)	30 minutes	1 hour <sup>1</sup>	30 minutes	Extended <sup>2</sup>
25°C (77°F)	20 minutes	1 hour <sup>1</sup>	20 minutes	Extended <sup>2</sup>
40°C (104°F)	25 minutes	1 hour <sup>1</sup>	25 minutes	Extended <sup>2</sup>

<sup>1</sup> The peel time quoted at the specified temperatures can be defined as the minimum time required in which sufficient Interseal 121 film strength has developed throughout its thickness to facilitate the peel process. Peel times beyond those quoted will allow further film strength development to take place and subsequently improve peeling efficiency.

<sup>2</sup> See International Protective Coatings Definitions and Abbreviations

### REGULATORY DATA

<b>Flash Point (Typical)</b>	>101°C (214°F)	
<b>Product Weight</b>	1.10 kg/l (9.2 lb/gal)	
<b>VOC</b>	0.50 lb/gal (60 g/l) 50 g/kg	EPA Method 24 EU Solvent Emissions Directive (Council Directive 1999/13/EC)

See Product Characteristics section for further details

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### SURFACE PREPARATION

It is strongly advised that a small test patch be carried out on a representative area prior to full project application. This is to ensure Interseal 121 compatibility with the underlying substrate in terms of peeling, in-service suitability and level of temporary protection required.

Interseal 121 is suitable for direct application over a wide range of approved coated and non-ferrous substrates. It is important that coating materials have undergone sufficient cure (drying) to ensure properties such as gloss and colour, particularly for durable cosmetic finishes, are not affected by the application of Interseal 121. Consult International Protective Coatings for specific advice.

All surfaces to be coated should be clean, dry and free from contamination.

Surface temperature must always be a minimum of 3°C (5°F) above dew point.

Use masking material to protect adjoining surfaces from overspray. Mask off areas such as deep joint seams and channels that may create a mechanical keyway into which the coating will lock.

Masking tape 'pull-tabs' may be installed directly to the underlying substrated to facilitate Interseal 121 removal.

### APPLICATION

<b>Mixing</b>	This material is a one component coating and should always be mixed thoroughly with a power agitator before application.		
<b>Mix Ratio</b>	Not applicable		
<b>Airless Spray</b>	Recommended	Tip Range 0.43-0.53 mm (17-21 thou) Total output fluid pressure at spray tip not less than 105 kg/cm <sup>2</sup> (1493 p.s.i.)	
<b>Air Spray (Pressure Pot)</b>	Recommended	Gun Air Cap Fluid Tip	DeVilbiss MBC or JGA 704 or 765 E
<b>Brush</b>	Recommended - Small areas only	Typically 75 microns (3.0 mils) can be achieved	
<b>Roller</b>	Not recommended		
<b>Thinner</b>	DO NOT THIN		
<b>Cleaner</b>	International GTA853		
<b>Work Stoppages</b>	Thoroughly flush all equipment with clean water followed by International GTA853. All unused material should be stored in tightly closed containers. Partially filled containers may show surface skinning and/or a viscosity increase of the material after storage. Material should be filtered prior to use.		
<b>Clean Up</b>	Clean all equipment immediately after use with International GTA853. 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 materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.		
<b>Removal</b>	Once removed, Interseal 121 is easily compacted by hand for effective reduction in waste volume prior to disposal. Interseal 121 should be disposed of in accordance with appropriate regional regulations/legislation.		

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### PRODUCT CHARACTERISTICS

Interseal 121 is typically specified as a single coat system, however, multiple coats can be applied to provide increased protection against mechanical damage. Consult International Protective Coatings for specific advice.

The peeling characteristics of Interseal 121 are dependent upon temperature. As such, Interseal 121 is available in two grades, a white coloured standard temperature 'peel' and a blue coloured low temperature 'peel' grade.

It is important to determine typical ambient temperatures expected when removing Interseal 121 to ensure that the most effective peeling grade is chosen. This is summarised below.

Peeling Grade/Colour	Temperature Range for Use
Standard (White)	10°C (50°F) to 40°C (104°F)
Low Temperature (Blue)	-29°C (-20°F) to 15°C (60°F)

(The grades refer to peeling characteristics, **not** speed of drying.)

Use of either of these grades outside of their recommended temperature range can result in reduced peeling efficiency.

As with all water borne coatings careful control of application conditions is required to ensure good performance.

The following basic parameters must be adhered to:

Interseal 121 must be protected from freezing at all times during storage. Storage at 25°C (77°F) is recommended.

The minimum steel temperature for application must be above 10°C (50°F), and be at least 3°C (5°F) above dew point.

Application at relative humidities above 70% will result in longer peel and overcoating times.

Good airflow is essential around the object being coated [minimum air speed 0.1m/sec (4 inches/sec), maximum air speed 0.5m/sec (20 inches/sec)].

In order to obtain optimum protection and peeling properties, a continuous wet film of approximately 250 microns (10 mils) to 500 microns (20 mils) should be applied as a single coat.

Overspray will not peel off. If overspray occurs, remove it as soon as possible using a wet towel or sponge. Dry overspray can be removed with alcohol.

Any masking tape used to protect adjoining areas should be removed whilst Interseal 121 is still wet.

Interseal 121 has a tendency to develop a level of 'blocking' (or 'sticking') when pressed against another surface or itself. This should be taken into consideration when stacking coated specimens.

To remove Interseal 121, lift an edge and peel off. Alternatively, lift the masking tape 'pull-tab' previously attached to the underlying substrate.

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.

Low molecular weight reactive additives, which will form part of the film during normal ambient cure conditions, will also affect VOC values determined using EPA Method 24.

### SYSTEMS COMPATIBILITY

Interseal 121 can be applied directly over stainless steel and other non-ferrous substrates. Consult International Protective Coatings for further details.

Interseal 121 can be applied directly over the following approved products:

Interfine 629HS	Interfine 878
Interfine 979	Interseal 670HS
Interthane 990	Intertherm 228
Interzone 505	Interzone 954

For other suitable approved products contact International Protective Coatings.

Interseal 121 should only ever be overcoated with itself.

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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

Individual copies of these information sections are available upon request.

An application guideline document is 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
	5 US gal	5 US gal	5 US gal
For availability of other pack sizes, contact International Protective Coatings.			
<b>SHIPPING WEIGHT (TYPICAL)</b>	Unit Size		
	5 US gal		46.3 lb
U.N. Shipping No. Non Hazardous			
<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. Protect from freezing at all times during storage	

### 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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