

## Epoxy

### PRODUCT DESCRIPTION

High performance, two component clear penetrating epoxy sealer.  
 Very low viscosity, solventless coating.  
 Good water resistance.

### INTENDED USES

As a reinforcing penetrating sealer where blasting and power tool cleaning is not possible or economical.  
 As a maintenance option for sealing crevices, back to back angle and bolted steel structures.  
 As a sealer for porous concrete prior to application of other flooring finishes.  
 As a sealer for thermal metal spray coating before topcoating.

### PRACTICAL INFORMATION FOR INTERSEAL 1036

**Colour** Clear  
**Gloss Level** Gloss  
**Volume Solids** Not measurable (Due to absorption into porous substrates)  
**Typical Thickness** 30 microns (1.2 mils) wet film thickness.  
**Theoretical Coverage** 33.3m<sup>2</sup>/litre at 30 microns w.f.t.  
 2005 sq.ft/US gallon at 1.2 mils w.f.t. Actual coverage will depend on the porosity and condition of the substrate.  
**Practical Coverage** Allow appropriate loss factors  
**Method of Application** Air Spray, Brush, Roller  
**Drying Time**

Temperature	Touch Dry	Hard Dry	Overcoating Interval with recommended topcoats	
			Minimum	Maximum
10°C (50°F)	32 hours	48 hours	*1	3 days
15°C (59°F)	18 hours	30 hours	*1	3 days
25°C (77°F)	12 hours	18 hours	*1	3 days
40°C (104°F)	8 hours	9 hours	*1	3 days

\*1 Interseal 1036 can be overcoated from the point at which it becomes 'tacky'. This is usually within 12 to 24 hours.

### REGULATORY DATA

**Flash Point (Typical)** Part A 93°C (199°F); Part B 57°C (135°F); Mixed 57°C (135°F)  
**Product Weight** 1.02 kg/l (8.5 lb/gal)  
**VOC** 163 g/l (1.36 lb/gal) (Calculated)  
 See Product Characteristics section for further details

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### SURFACE PREPARATION

#### Rusty Steel

All oil/grease contaminants, loose rust, loose scale and loose paint must be removed. Better surface preparation will result in better performance. Water-blasting may improve surface cleanliness.

#### Concrete - Old

Completely remove any existing coating by abrasive blasting. Sound existing epoxy coating may be left in place but abrade surface thoroughly to provide key for next coat. All surfaces should be clean, dry and free from grease, oil, dirt and loose or disintegrating concrete.

#### Concrete - New

Concrete should be cured for a minimum of 28 days prior to coating. The moisture content of the concrete should be below 6%. All surfaces should be clean, dry and free from curing compounds, release agents, trowelling compounds, surface hardeners, efflorescence, grease, oil, dirt, old coatings and loose or disintegrating concrete. All poured and precast concrete must also be sweep blasted (preferred) or acid etched to remove laitence. Large cracks should be filled with the appropriate filler.

#### Wood

Surface should be clean, dry and free from contamination. Remove old, loose or flaking paint. Sand after first coat.

### APPLICATION

<b>Mixing</b>	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.			
	<ol style="list-style-type: none"> <li>(1) Agitate Base (Part A) with a power agitator.</li> <li>(2) Agitate Curing Agent (Part B) with a power agitator.</li> <li>(3) Combine entire contents of Curing Agent (Part B) with Base (Part A) and mix thoroughly with power agitator.</li> </ol>			
<b>Mix Ratio</b>	3 part(s) : 1 part(s) by volume			
<b>Working Pot Life</b>	10°C (50°F) 8 hours	15°C (59°F) 6 hours	25°C (77°F) 4 hours	40°C (104°F) 1 hour
<b>Airless Spray</b>	Not recommended			
<b>Air Spray (Pressure Pot)</b>	Recommended	Minimise overspray by using low pressure settings (5-10psi)		
<b>Brush</b>	Suitable	Typically 10-30 microns (0.4-1.2 mils) can be achieved		
<b>Roller</b>	Suitable	Typically 10-30 microns (0.4-1.2 mils) can be achieved		
<b>Thinner</b>	Not recommended			
<b>Cleaner</b>	International GTA220			
<b>Work Stoppages</b>	Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with International GTA220. 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 International GTA220. 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.			

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### PRODUCT CHARACTERISTICS

Interseal 1036 is a very low viscosity penetrating sealer. No thinner is required for application.

Do not overbuild or 'pond' this product as this will delay cure and recoat.

Minimum substrate temperature is 10°C (50°F). Low temperatures will retard curing.

Interseal 1036 can be over-coated while still tacky. It should be over coated within a maximum time of 72 hours after tacking.

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.

Interseal 1036 is solvent-free; however, some VOC will be produced as a result of the curing mechanism.

### SYSTEMS COMPATIBILITY

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The following topcoats are recommended for Interseal 1036:

- Intercryl 428
- Intercryl 988
- Intergard 345
- Interplus 356
- Interplus 1180
- Interseal 670HS
- Interzone 954

For other suitable topcoats, consult International Protective Coatings.

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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.

### 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 Safety Data Sheet and the container(s), and should not be used without reference to the Safety Data Sheet (SDS).

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.

PACK SIZE	Unit Size	Part A		Part B	
		Vol	Pack	Vol	Pack
	4 litre	3 litre	4 litre	1 litre	1 litre
	20 litre	15 litre	20 litre	5 litre	5 litre

For availability of other pack sizes, contact International Protective Coatings.

SHIPPING WEIGHT (TYPICAL)	Unit Size	Part A	Part B
	20 litre	18.2 kg	4.9 kg
	4 litre	3.63 kg	1.04 kg

STORAGE	Shelf Life	24 months minimum at 25°C. Subject to re-inspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition.
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### 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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