

## Epoxy

### PRODUCT DESCRIPTION

A two component high build epoxy semi gloss finish.

### INTENDED USES

Recommended for concrete floors where high durability and abrasion resistance are required.

Intergard 2005 offers resistance against alkali spillages, salt solutions, crude oil and many solvents.

### PRACTICAL INFORMATION FOR INTERGARD 2005

<b>Colour</b>	Range of colours via the Chromascan system
<b>Gloss Level</b>	Semi Gloss
<b>Volume Solids</b>	62% ± 2%
<b>Typical Thickness</b>	125 microns (5 mils) dry equivalent to 202 microns (8.1 mils) wet
<b>Theoretical Coverage</b>	4.96 m <sup>2</sup> /litre at 125 microns d.f.t and stated volume solids 199 sq.ft/US gallon at 5 mils d.f.t and stated volume solids
<b>Practical Coverage</b>	Allow appropriate loss factors
<b>Method of Application</b>	Airless Spray, Brush, Conventional Spray, Roller, Trowel
<b>Drying Time</b>	

Temperature	Touch Dry	Hard Dry	Overcoating Interval with recommended topcoats	
			Minimum	Maximum
10°C (50°F)	90 minutes	12 hours	48 hours	144 hours
15°C (59°F)	60 minutes	8 hours	24 hours	96 hours
25°C (77°F)	30 minutes	6 hours	16 hours	48 hours
40°C (104°F)	25 minutes	3.5 hours	12 hours	24 hours

### REGULATORY DATA

<b>Flash Point (Typical)</b>	Part A 23°C (73°F); Part B 23°C (73°F); Mixed 23°C (73°F)
<b>Product Weight</b>	1.5 kg/l (12.5 lb/gal)
<b>VOC</b>	2.72 lb/gal (326 g/lt)
See Product Characteristics section for further details	

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### SURFACE PREPARATION

Concrete should be cured for a minimum of 28 days prior to coating. All surfaces must be clean, dry and free from curing compounds, release agents, troweling compounds, surface hardeners, grease, oil, dirt, old coatings, loose or disintegrating concrete and any kind of contaminants compounds.

All concrete surfaces must be scarified or abrasive blast cleaned to provide a roughened surface (consult the relevant product data sheet).

### 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.			
	(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>	8 part(s) : 1 part(s) by volume			
<b>Working Pot Life</b>	10°C (50°F) 8 hours	15°C (59°F) 7 hours	25°C (77°F) 5 hours	40°C (104°F) 3 hours
<b>Airless Spray</b>	Recommended	Tip Range 18-21 mm (709-827 thou) Total output fluid pressure at spray tip not less than 176 kg/cm <sup>2</sup> (2503 p.s.i.)		
<b>Air Spray (Conventional)</b>	Recommended	Gun Air Cap Spray Pressure	DeVilbiss MBC or JGA-502 FX-765 or 777 4.2kg/cm <sup>2</sup> (60 psi)	
<b>Brush</b>	Suitable - Touch up and small areas only			
<b>Roller</b>	Recommended - Small areas only			
<b>Trowel</b>	Recommended			
<b>Thinner</b>	Recommended	Use International GTA220 only in exceptional circumstances (maximum 15% by volume). DO NOT thin more than allowed by local environmental legislation.		
<b>Cleaner</b>	International GTA822			
<b>Work Stoppages</b>	Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with International GTA822. 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 GTA822. It is good working practice to periodically clean equipment during the course of the working day. Frequency of cleaning will depend upon amount used, 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

Do not apply when relative humidity exceeds 85%.

Intercoat adhesion failure will occur if the maximum overcoating time is exceeded.

This product should be mixed in the correct proportions using complete units. Do not mix excessive quantities as the material should be using complete units and should not be used after recommended pot life has been exceeded. To prepare small quantities refer to mix ratio by volume. Leave the mixture for about 10-15 minutes before application.

Exposure to sunlight may cause loss of gloss or colour fading, this effect is superficial and does not affect the performance of the coating.

The drying time can vary depending on temperatures, relative humidity, dry film thickness and can be influenced by other factors such as degree of ventilation.

Excessive thickness has to be avoided because there is a risk of wrinkles and solvent retention in the dry film.

This product will not cure adequately below 5°C (41°F). For maximum performance, curing temperatures should be above 10°C (50°F). For optimum application properties, the material temperature should be between 21-27°C (70-80°F) prior to mixing and application.

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

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The following primers are recommended for Intergard 2005:

Intergard 2001  
Intergard 2004

The following topcoats are recommended for Intergard 2005:

Intergard 2006

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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 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.

PACK SIZE	Unit Size	Part A		Part B	
		Vol	Pack	Vol	Pack
	20 litre	17.78 litre	20 litre	2.22 litre	3.6 litre
	3.6 litre	3.2 litre	3.6 litre	0.4 litre	0.9 litre
For availability of other pack sizes, contact International Protective Coatings.					
SHIPPING WEIGHT (TYPICAL)	Unit Size	Part A		Part B	
	20 litre	28.45 kg		2.09 kg	
	3.6 litre	5.12 kg		0.38 kg	
STORAGE	Shelf Life	12 months 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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