

# Intergard 1032

Epoxy Primer

**PRODUCT DESCRIPTION** Two-pack epoxy anti-corrosive primer pigmented with zinc phosphate

**INTENDED USES** The product is suitable for use on properly prepared surfaces in both new construction situations for a wide range of anti-corrosive coating systems for application on earth moving equipments, pumps, valves, machinery etc

<b>PRACTICAL INFORMATION FOR INTERGARD 1032</b>	<b>Colour</b>	Buff Yellow(EPA032), White(EPA033)			
	<b>Gloss level</b>	Matt			
	<b>Volume solids</b>	47 ± 2%			
	<b>Typical Thickness</b>	40-50 microns (wet on wet 2-3 coats) (1.6-2.0 mils) dry equivalent to 85 -106 microns (3.4-4.24 mils) wet			
	<b>Theoretical Coverage</b>	11.70 m <sup>2</sup> /litre at 40 microns dry film thickness 9.38 m <sup>2</sup> /litre at 50 microns dry film thickness			
	<b>Practical Coverage</b>	Allow appropriate loss factors			
	<b>Method of application</b>	Airless spray, Air spray, Brush and Roller.			
<b>Drying Time</b>		Overcoating Interval with recommended Top Coats:			
	Temperature	Touch Dry	Hard Dry	Minimum	Maximum
	25°C (77°F)	45 min	4 hours	3 hours	6 – 12 months
	40°C (104°F)	30 min	3 hours	2 hours	6 – 12 months

**REGULATORY DATA** Flash point 30°C (86°F)

\*See International Protective Coatings Definitions & Abbreviations

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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 8504:1992. Accumulated dirt and soluble salts must be removed. Dry bristle brushing will normally be adequate for accumulated dirt. Soluble salts should be removed by fresh water washing.

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

#### Abrasive Blast Cleaning

Abrasive blast clean to a minimum of Sa2½ (ISO 8501-1:1988) or SSPC-SP6.

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

Intergard 1032 is suitable for application to blast cleaned surfaces which were initially to the above standard but have been allowed to deteriorate under good shop conditions for up to 7-10 days. The surface may deteriorate to Sa2 standard but must be free from loose powdery deposits.

#### Maintenance and Site Touch-up

The product is designed for application to surfaces prepared to St2 (ISO8501-1:1988) or SSPC-SP2. When using power tools care should be taken to avoid surface polishing. The product may also be applied to surfaces which have been brush blasted to Sa1 (ISO 8501-1:1988) or SSPC-SP7. On poor surfaces brush application will assist performance.

### 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 supplied.			
<b>Mix Ratio</b>	4parts:1parts by Volume			
<b>Working Pot Life</b>	10°C(50°F) 10hours	15°C(59°F) 8hours	25°C(77°F) 6hours	40°C(104°F) 3hours
<b>Airless Spray</b>	Recommended	- Tip range 0.38-0.53mm (15-21 thou). - Total output fluid pressure at spray tip not less than 155 kg/cm <sup>2</sup> (2200 p.s.i.)		
<b>Air Spray (Pressure Pot)</b>	Recommended	Gun	DeVilbiss MBC or JGA Air Cap 704 or 765 Fluid Tip E	
<b>Brush</b>	Recommended	Typically 40-50 microns (1.5-2.0 mils) can be achieved.		
<b>Roller</b>	Recommended	Typically 40-50 microns (1.5-2.0 mils) can be achieved. Care should be taken to avoid under application.		
<b>Thinner</b>	International GTA132	Do not thin more than allowed by local environmental legislation		
<b>Cleaner</b>	International GTA132			
<b>Work Stoppages</b>	Thoroughly flush all equipment with International GTA132. 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 GTA132. 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**

Anti-corrosive performance on hand prepared steel is related directly to both the Intergard 1032 degree of surface preparation and the dry film thickness of the system applied.

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

This product is not intended for use in aggressive, corrosive environments, or on heavily pitted, or contaminated steel.

Intergard 1032 is not suitable for use as a barrier coat for upgrading old Chlorinated Rubber and Vinyl systems.

When used in a Marine environment the schemes and overcoating intervals utilised may differ. Coating systems incorporating Intergard 1032 are not suitable for immersion service.

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### **SYSTEMS COMPATABILITY**

The following topcoats can be applied to Intergard 1032

Interthane 1022  
Interthane 1023

For other suitable primers/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 sections of the International Protective Coatings data manual.

- 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 the 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>	Intergard 1032-Base	5 litre unit	4 litres in a 5 litre container
	Intergard 1032-Hardner	1litre unit	1litre in a 1 litre container

For availability of other pack sizes contact International Protective Coatings

<b>STORAGE</b>	Shelf Life	24 months minimum at 25° C (77° F). Subject to re-inspection thereafter.
		Store in dry, shaded conditions away from sources of heat and ignition.

#### Disclaimer:

The information given in this sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. Whilst we endeavour to ensure that all advice we give about the product (whether in this sheet or otherwise) is correct we have no control over either the quality or 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 whatsoever or howsoever arising for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of the use of the product. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.

It is the user's responsibility to check that this sheet is current prior to using the product. Issue date : September 2005