

## Epoxy Anticorrosive

**PRODUCT DESCRIPTION** A high volume solids (82%), two pack epoxy that is surface tolerant, hard wearing, with good colour retention in internal areas. Specially formulated for application by brush or roller. It is also tolerant of damp surfaces (see limitations section).

**INTENDED USES** An epoxy anticorrosive which can be applied directly to mechanically prepared shop primer or suitably prepared bare steel. Suitable for all internal deckhead/ bulkheads and decks. For use at Newbuilding, Maintenance & Repair or On Board Maintenance.

<b>PRODUCT INFORMATION</b>	<b>Colour</b>	KBA516-Dawn Grey, KBA517-Yew Green
	<b>Finish/Sheen</b>	Gloss
	<b>Part B (Curing Agent)</b>	KBA505
	<b>Volume Solids</b>	82% ±2% (ISO 3233:1998)
	<b>Mix Ratio</b>	4 volume(s) Part A to 1 volume(s) Part B
	<b>Typical Film Thickness</b>	150 microns dry (183 microns wet)
	<b>Theoretical Coverage</b>	5.47 m <sup>2</sup> /litre at 150 microns dft, allow appropriate loss factors
	<b>Method of Application</b>	Brush, Roller
	<b>Flash Point (Typical)</b>	Part A 32°C; Part B 58°C; Mixed 33°C
	<b>Induction Period</b>	Not required

<b>Drying Information</b>	5°C	10°C	15°C	20°C
Touch Dry [ISO 9117/3:2010]	14 hrs	8 hrs	6 hrs	4 hrs
Hard Dry [ISO 9117-1:2009]	36 hrs	16 hrs	12 hrs	8 hrs
Pot Life	2 hrs	2 hrs	100 mins	75 mins

<b>Overcoating Data - see limitations</b>	<b>Substrate Temperature</b>							
	5°C		10°C		15°C		20°C	
<b>Overcoated By</b>	Min	Max	Min	Max	Min	Max	Min	Max
Intergard 500BG	36 hrs	ext	24 hrs	ext	16 hrs	ext	9 hrs	ext

**REGULATORY DATA** **VOC** 259 g/lit as supplied (EPA Method 24)  
189 g/kg of liquid paint as supplied. EU Solvent Emissions Directive (Council Directive 1999/13/EC)

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

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### CERTIFICATION

When used as part of an approved scheme, this material has the following certification:

- Fire Resistance - Fire Propagation (WFR-(BS476 Part 6))
- Fire Resistance - Surface Spread of Flame (WFR) - (BS476:Part 7)

Consult your International Paint representative for details.

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### SYSTEMS AND COMPATIBILITY

Consult your International Paint representative for the system best suited for the surfaces to be protected.

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### SURFACE PREPARATIONS

Use in accordance with the standard Worldwide Marine Specifications.

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

High pressure fresh water wash or fresh water wash, as appropriate, and remove all oil or grease, soluble contaminants and other foreign matter in accordance with SSPC-SP1 solvent cleaning.

#### NEWBUILDING/MAJOR REFURBISHMENT

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

Weld seams and areas of shop primer damage or breakdown should be blast cleaned to Sa2½ (ISO 8501-1:2007) or power tooled to Pt3 (JSRA SPSS:1984).

Abrade surrounding intact area and feather edges.

Intact, approved, shop primers must be clean, dry and free from soluble salts and any other surface contaminants.

Unapproved shop primers should be blast cleaned to Sa2½ (ISO 8501-1:1998).

Consult your International Paint representative for specific recommendations.

#### MAJOR REFURBISHMENT

Fresh water wash to remove all dirt and contamination.

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

Abrasive blast clean to Sa2 (ISO 8501:1:2007) or hydroblast to International Paint hydroblasting standard HB2M/H (If abrasive blasting, the area should be fresh water washed prior to commencement).

#### REPAIR/OBM

Prepare areas of corrosion by mechanical cleaning to St3 (ISO 8501-1 : 2007) or hydroblast to International Paint Standard HB2M/H. Abrade surrounding intact area and feather the edges.

#### NOTE

**For use in Marine situations in North America, the following surface preparation standards can be used:**

**SSPC-SP10 in place of Sa2½ (ISO 8501-1:2007)**

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### 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 power agitator. (2) Combine entire contents of Curing Agent (Part B) with Base (Part A) and mix thoroughly with power agitator.
<b>Thinner</b>	Not Recommended. Use International GTA220 only in exceptional circumstances (max 5% by volume). DO NOT thin more than allowed by local environmental legislation.
<b>Airless Spray</b>	Not recommended.
<b>Brush</b>	Application by brush is recommended.
<b>Roller</b>	Application by roller is recommended.
<b>Cleaner</b>	International GTA220
<b>Work Stoppages and Cleanup</b>	Thoroughly clean all equipment with International GTA220. Once units of paint have been mixed they should not be resealed. All surplus material and empty containers should be disposed of in accordance with regional regulations/legislation.
<b>Welding</b>	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. In North America do so in accordance with instruction in ANSI/ASC Z49.1 "Safety in Welding and Cutting."

### SAFETY

**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.**

**Prior to use, obtain, consult and follow the Material Safety Data Sheet for this product concerning health and safety information. Read and follow all precautionary notices on the Material Safety Data Sheet and container labels. If you do not fully understand these warnings and instructions or if you can not strictly comply with them, do not use this product. Proper ventilation and protective measures must be provided during application and drying to keep solvent vapour concentrations within safe limits and to protect against toxic or oxygen deficient hazards. Take precautions to avoid skin and eye contact (ie. gloves, goggles, face masks, barrier creams etc.) Actual safety measures are dependant on application methods and work environment.**

#### **EMERGENCY CONTACT NUMBERS:**

**USA/Canada - Medical Advisory Number 1-800-854-6813**

**Europe - Contact (44) 191 4696111. For advice to Doctors & Hospitals only contact (44) 207 6359191**

**R.O.W. - Contact Regional Office**

## Epoxy Anticorrosive

### LIMITATIONS

This product will not cure adequately below 5°C. Substrate temperature should not exceed 40°C. Intergard 5000BG can be applied over a damp but drying surface - not a wet surface. It cannot be applied over pools of water or water droplets. A simple test for dampness is as follows: With a finger, mark a 'V' on the surface to be coated. If drops of water collect at the bottom of the 'V', then the surface is wet not damp and should not be coated. The surface may be dried however and coated provided that it does not become wet during application. The curing agent for Intergard 5000BG has a tendency to go cloudy when stored at temperatures below 5°C. Warming the curing agent above 5°C will restore the clear nature of the product. No adverse effect on performance is observed if the curing agent is cloudy when used. Overcoating information is given for guidance only and is subject to regional variation depending upon local climate and environmental conditions. Consult your local International Paint representative for specific recommendations. In the overcoating data section 'ext' = extended overcoating period. Please refer to our Marine Painting Guide - Definitions and Abbreviations available on our website.

UNIT SIZE	Unit Size	Part A		Part B	
		Vol	Pack	Vol	Pack
	5 lt	4 lt	5 lt	1 lt	1 lt

*For availability of other unit sizes consult International Paint*

UNIT SHIPPING WEIGHT (TYPICAL)	Unit Size	Unit Weight
	5 lt	7.47 Kg

STORAGE	Shelf Life	12 months minimum from date of manufacture when maintained in protected storage at 4-38°C. Subject to reinspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition.

**WORLDWIDE AVAILABILITY** Consult International Paint.

### 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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