

## Bituminous

<b>PRODUCT DESCRIPTION</b>	A one pack, high build bituminous coating.							
<b>INTENDED USES</b>	For use behind linings and in cofferdams for the economic protection of enclosed steel. For use at Newbuilding, Maintenance & Repair or On Board Maintenance.							
<b>PRODUCT INFORMATION</b>	<b>Colour</b>	JBA016-Black, JAA017-Aluminium						
	<b>Finish/Sheen</b>	Not applicable						
	<b>Part B (Curing Agent)</b>	Not applicable						
	<b>Volume Solids</b>	53% ±2% (ISO 3233:1998)						
	<b>Mix Ratio</b>	Not applicable						
	<b>Typical Film Thickness</b>	100 microns dry (189 microns wet)						
	<b>Theoretical Coverage</b>	5.30 m <sup>2</sup> /litre at 100 microns dft, allow appropriate loss factors						
	<b>Method of Application</b>	Airless Spray, Brush, Roller						
	<b>Flash Point (Typical)</b>	Single Pack 35°C						
<b>Drying Information</b>	-5°C	5°C	25°C	35°C				
Touch Dry [ISO 9117/3:2010]	36 hrs	24 hrs	8 hrs	8 hrs				
Hard Dry [ISO 9117-1:2009]	5 days	3 days	2 days	2 days				
<b>Overcoating Data - see limitations</b>	<b>Substrate Temperature</b>							
	-5°C		5°C		25°C		35°C	
<b>Overcoated By</b>	Min	Max	Min	Max	Min	Max	Min	Max
Intertuf 16	36 hrs	ext	24 hrs	ext	8 hrs	ext	8 hrs	ext

<b>REGULATORY DATA</b>	<b>VOC</b>	416 g/lit calculated 418 g/kg of liquid paint as supplied. EU Solvent Emissions Directive (Council Directive 1999/13/EC)
	<b>Note:</b>	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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### 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 should 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

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

Weld seams and damaged areas should be blast cleaned to Sa2½ (ISO 8501-1:2007) or power tooled to Pt3 (JSRA SPSS:1984)

For zinc primers, grit sweep to AS2 International Paint Sweep Blast Standards or power tool to Pt3 (JSRA SPSS:1984).

#### MAJOR REFURBISHMENT

Abrasive blast clean to Sa2½ (ISO 8501-1:2007) or SSPC-SP6. If oxidation has occurred between blasting and application of Intertuf 16, the surface should be reblasted to the specified visual standard.

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

For zinc and unapproved shop primers, grit sweep to AS2 or AS3 International Paint Sweep Blasting Standards or power tool to Pt3 (JSRA SPSS:1984).

#### REPAIR

Prepare bare areas of steel by blasting to Sa2½ (ISO 8501-1:2007) or power tooling to a minimum of St2 (ISO 8501-1:2007).

Loose or flaking coatings should be removed back to a firm edge and Intertuf 16 should be applied to overlap the existing coating by 2-3 centimetres (one inch) .

#### NOTE

For blasted areas, the primer should be applied before oxidation occurs. If oxidation does occur, the entire oxidised area should be reblasted to the specified standard above.

For tank coating projects, consult International Paint for the detailed tank coating procedures that should be followed.

Intertuf 16 can be applied over Intergard 269. The primer surface should be dry and free from all contamination and Intertuf 16 must be applied within the overcoating interval specified (consult the Intergard 269 product data sheet).

Areas of breakdown, damage etc. should be prepared to the specified standard (eg Sa2½ (ISO 8501-1:2007)).

Consult your International Paint representative for specific recommendations.

#### 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)

SSPC-SP3 in place of St3 (ISO 8501-1:2007)

SSPC-SP2 in place of St2 (ISO 8501-1:2007)

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### APPLICATION

<b>Mixing</b>	This material is a one pack coating and should always be mixed thoroughly with a power agitator before application.
<b>Thinner</b>	Not Recommended. Use International GTA004 only in exceptional circumstances (max 5% by volume). DO NOT thin more than allowed by local environmental legislation.
<b>Airless Spray</b>	Recommended Tip Range 0.46-0.66 mm (18-26 thou) Total output fluid pressure at spray tip not less than 176 kg/cm <sup>2</sup> (2500 p.s.i.)
<b>Conventional Spray</b>	Application by conventional spray is not recommended.
<b>Brush</b>	Application by brush is recommended for stripe coats and small areas only. Multiple coats may be required to achieve specified film thickness.
<b>Roller</b>	Application by roller is recommended for small areas only. Multiple coats may be required to achieve specified film thickness.
<b>Cleaner</b>	International GTA004
<b>Work Stoppages and Cleanup</b>	Thoroughly flush all equipment with International GTA004. 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>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**

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### LIMITATIONS

Drying times and overcoating intervals may alter due to on-site factors such as tank configuration or ventilation rates etc.

Optimum performance is achieved when Intertuf 16 is applied over blasted steel. Intertuf 16 JAA017 should only be applied as the second coat of the system.

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. Apply in good weather. Temperature of the surface to be coated must be at least 3°C above the dew point. For optimum application properties bring the material to 21-27°C, unless specifically instructed otherwise, prior to mixing and application. Unmixed material (in closed containers) should be maintained in protected storage in accordance with information given in the STORAGE Section of this data sheet. Technical and application data herein is for the purpose of establishing a general guideline of the coating application procedures. Test performance results were obtained in a controlled laboratory environment and International Paint makes no claim that the exhibited published test results, or any other tests, accurately represent results found in all field environments. As application, environmental and design factors can vary significantly, due care should be exercised in the selection, verification of performance and use of the coating.

In the overcoating data section 'ext' = extended overcoating period. Please refer to our Marine Painting Guide - Definitions and Abbreviations available on our website.

<b>UNIT SIZE</b>	Unit Size	Part A
		Vol Pack
	20 lt	20 lt 20 lt
For availability of other unit sizes consult International Paint		
<b>UNIT SHIPPING WEIGHT (TYPICAL)</b>	Unit Size	Unit Weight
	20 lt	23.6 Kg
<b>STORAGE</b>	Shelf Life	24 months minimum at 25°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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