

Oleoresinous Aluminium

PRODUCT DESCRIPTION A one pack oleoresinous/ aluminium coating.

INTENDED USES As a light reflective finish for cargo holds, pipes, etc. Intertherm 891 is suitable for use on surfaces that are likely to reach dry heat temperatures of up to 250°C. This may be extended up to 315°C if the dry film thickness is reduced to 15µm.
For use at Newbuilding, Maintenance & Repair or On Board Maintenance.

PRODUCT INFORMATION

Colour	HTA002-Aluminium
Finish/Sheen	Not applicable
Part B (Curing Agent)	Not applicable
Volume Solids	48% ±2% (ISO 3233:1998)
Typical Film Thickness	25 microns dry (52 microns wet)
Theoretical Coverage	19.2 m ² /litre at 25 microns dft, allow appropriate loss factors
Method of Application	Airless Spray, Brush, Conventional Spray, Roller
Flash Point (Typical)	Single Pack 43°C

Drying Information	5°C		15°C		25°C		35°C	
Touch Dry [ISO 9117/3:2010]	18 hrs		12 hrs		8 hrs		6 hrs	
Hard Dry [ISO 9117-1:2009]	72 hrs		36 hrs		24 hrs		24 hrs	
Overcoating Data - see limitations	Substrate Temperature							
	5°C		15°C		25°C		35°C	
Overcoated By	Min	Max	Min	Max	Min	Max	Min	Max
Intertherm 891	24 hrs	ext	24 hrs	ext	24 hrs	ext	16 hrs	ext

REGULATORY DATA

VOC	420 g/lit as supplied (EPA Method 24) 456 g/kg of liquid paint as supplied. EU Solvent Emissions Directive (Council Directive 1999/13/EC) 395 g/lit Chinese National Standard GB23985
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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:

- Food Contact - Carriage of Grain (NOHA)

Consult your International Paint representative for details.

SYSTEMS AND COMPATIBILITY

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

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/MAJOR REFURBISHMENT

Intertherm 891 should always be applied over a recommended primer coating scheme. The primer surface should be dry and free from all contamination, and Intertherm 891 must be applied within the overcoating intervals specified (consult the relevant product data sheet).

Areas of breakdown, damage etc. should be prepared to the specified standard (eg. Sa2½ (ISO 8501-1:2007)) and primed prior to the application of Intertherm 891.

REPAIR/OBM

Intertherm 891 should always be applied over a recommended primer coating scheme. The primer surface should be dry and free from all contamination, and Intertherm 891 must be applied within the overcoating intervals specified (consult the relevant product data sheet).

Areas of breakdown, damage etc. should be prepared to the specified standard (eg. Sa2½ (ISO 8501-1:2007)) and primed prior to the application of Intertherm 891.

Intertherm 891 may be applied directly over aged Intertherm 891 following thorough fresh water washing and degreasing provided the coating to be overcoated is in an intact and tightly adherent condition. Loose or flaking coatings should be removed back to a firm edge and Intertherm 891 or an appropriate primer should be used to repair the area before application of the full coat.

Consult your International Paint representative for specific recommendations and procedures.

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

Mixing	This material is a one pack coating and should always be mixed thoroughly with a power agitator before application.
Thinner	International GTA004. Thinning is not normally required. Consult the local representative for advice during application in extreme conditions. Do not thin more than allowed by local environmental legislation.
Airless Spray	Recommended Tip Range 0.33-0.41 mm (13-16 thou) Total output fluid pressure at spray tip not less than 112 kg/cm ² (1590 p.s.i.)
Conventional Spray	Use suitable proprietary equipment. Thinning may be required.
Brush	Suitable.
Roller	Suitable.
Cleaner	International GTA004
Work Stoppages and Cleanup	Thoroughly flush all equipment with 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.
Welding	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

China – Contact (86) 532 83889090

R.O.W. - Contact Regional Office

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LIMITATIONS

Maximum temperature resistance (315°C) is only achieved at 15µm dry film thickness. If Intertherm 891 is used over a primer system the heat resistance may be determined by the primer system. Over application of Intertherm 891 can lead to blistering at high temperatures. 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. The 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 the 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 and proper coating application guidelines. 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 actually 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.

UNIT SIZE	Unit Size	Vol	Pack
	20 lt	20 lt	20 lt
	5 lt	5 lt	5 lt
	5 US gal	5 US gal	5 US gal
	1 US gal	1 US gal	1 US gal

For availability of other unit sizes consult International Paint

UNIT SHIPPING WEIGHT (TYPICAL)	Unit Size	Unit Weight
	1 US gal	8.9 lb
	20 lt	21.24 Kg
	5 lt	5.35 Kg
	5 US gal	44 lb

STORAGE	Shelf Life	24 months at 25°C. Subject to reinspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition. Prevent the ingress of moisture as this may lead to a pressure build up in the container.
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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 or 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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