



The Advanced Chemicals Management for Defense

Intercryl 700

Waterborne Acrylic Finish

PRODUCT DESCRIPTION A low VOC, single component waterborne finish.

INTENDED USES For use on internal areas and engine rooms.
For use at Newbuilding and Maintenance & Repair.

PRODUCT INFORMATION	Colour	QYB000-White ; and a range of colours
	Finish/Sheen	Semi-gloss
	Part B (Curing Agent)	Not applicable
	Volume Solids	41% ±2% (ISO 3233:1998)
	Mix Ratio	Not applicable
	Typical Film Thickness	50 microns dry (122 microns wet)
	Theoretical Coverage	8.20 m ² /litre at 50 microns dft, allow appropriate loss factors
	Method of Application	Airless Spray, Brush, Roller
	Flash Point (Typical)	Single Pack 101°C

Drying Information	10°C	15°C	25°C	35°C
Touch Dry [ISO 9117/3:2010]	2 hrs	90 mins	45 mins	25 mins
Hard Dry [ISO 9117-1:2009]	6 hrs	3 hrs	2 hrs	90 mins

Overcoating Data - see limitations	Substrate Temperature							
	10°C		15°C		25°C		35°C	
Overcoated By	Min	Max	Min	Max	Min	Max	Min	Max
Intercryl 700	16 hrs	ext	12 hrs	ext	7 hrs	ext	4 hrs	ext

REGULATORY DATA	VOC	50 g/lt as supplied (EPA Method 24) 43 g/kg of liquid paint as supplied. EU Solvent Emissions Directive (Council Directive 1999/13/EC)
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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:

- Fire Resistance - Surface Spread of Flame (Exova Warringtonfire)
- Fire Resistance - Smoke & Toxicity (Exova Warringtonfire)

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

This product should not be applied direct to steel but over a suitable anticorrosive primer. The primer should be dry and clean. If necessary undertake solvent or fresh water washing of the primer.

MAINTENANCE & REPAIR

This product should not be applied direct to steel but over a suitable anticorrosive primer. The primer should be dry and clean. If necessary undertake solvent or fresh water washing of the primer.

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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	Not recommended. Use International GTA991, WATER only in exceptional circumstances (max 5% by volume). DO NOT thin more than allowed by local environmental legislation.
Airless Spray	Recommended Tip Range 0.38-0.53 mm (15-21 thou) Total output fluid pressure at spray tip not less than 141 kg/cm ² (2010 p.s.i.)
Conventional Spray	Recommended.
Brush	Application by brush is recommended for small areas only. Multiple coats may be required to achieve specified film thickness.
Roller	Application by roller is recommended for small areas only. Multiple coats may be required to achieve specified film thickness.
Cleaner	International GTA991/WATER
Work Stoppages and Cleanup	Clean all equipment immediately after use with International GTA991/WATER. All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation. Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with International GTA991/WATER. 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.
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

R.O.W. - Contact Regional Office

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LIMITATIONS

With all water based coatings careful control of application conditions is required to ensure good long term performance. International Paint have available a set of working procedures relating to the application of water borne paints which are available on request for internal use only.

The following parameters must be adhered to:

Intercryl 700 must be protected from freezing at all times during storage. The minimum steel temperature for application must be above 10°C and be at least 3°C above dew point.

The relative humidity should be lower than 70% otherwise drying and overcoating times will be severely extended.

Good airflow is essential around the object being painted [minimum air speed 0.1m/sec (4 inches/sec)].

Small, localised areas which are difficult to ventilate should be brush applied to prevent over-application.

Application below the minimum film forming temperature (M.F.F.T.) of the coating and/or poor ventilation will result in poor film coalescence and will result in powdery cracked film which will require removal and re-application.

Level of sheen and surface finish is dependent on application method. Avoid using a mixture of application methods whenever possible.

For brush and roller application, and in some colours, two coats of Intercryl 700 may be required to give uniform coverage.

Intercryl 700 must be fully hardened before exposing to ponding water otherwise adhesion loss can occur.

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.

UNIT SIZE	Unit Size	Part A	
		Vol	Pack
	20 lt	20 lt	20 lt
<i>For availability of other unit sizes consult International Paint</i>			
UNIT SHIPPING WEIGHT (TYPICAL)	Unit Size	Unit Weight	
	20 lt	25.6 Kg	
STORAGE	Shelf Life	12 months minimum at 25°C. Subject to re-inspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition. Protect from freezing at all times during storage. Store above 5°C.	

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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Contact us: www.ifisrl.it

IFI S.r.l. Circonvallazione Nomentana, 180 – 00162 - Roma – Italia

Telefono: +39 06 86.2234 Fax: +39 06 86.39.8889 E-mail: info@ifisrl.it