

Waterborne Acrylic

PRODUCT DESCRIPTION A low VOC, single component, rust inhibitive water borne acrylic for use as a primer or finish applied directly to properly prepared metal, concrete or wood surfaces.

INTENDED USES For exposures in a wide variety of environments.
For use at Newbuilding or Maintenance & Repair.

PRODUCT INFORMATION

Color	52010-White; and a wide range of colors.
Finish/Sheen	Matt
Volume Solids	44% (ASTM D2697-86)
Mix Ratio	Not applicable
Typical Film Thickness	2 mils dry (4.6 mils wet)
Theoretical Coverage	353 ft ² /US gal at 2 mils dft, allow appropriate loss factors
Method of Application	Airless Spray, Brush, Roller, Air Spray
Flash Point	Single Pack >214°F

Drying Information	Substrate Temperature			
	50°F	59°F	77°F	104°F
Touch Dry [ASTM D1640 7.5.1]	1 hrs	1 hrs	30 mins	30 mins
Hard Dry [ASTM D1640 7.7]	2 hrs	2 hrs	1 hrs	1 hrs

Overcoating Data - see limitations	Substrate Temperature							
	50°F		59°F		77°F		104°F	
Overcoated By	Min	Max	Min	Max	Min	Max	Min	Max
Intercryl 520	2 hrs	ext	2 hrs	ext	1 hrs	ext	1 hrs	ext
Intercryl 530	2 hrs	ext	2 hrs	ext	1 hrs	ext	1 hrs	ext

REGULATORY DATA **VOC** 43 g/lit (0.36 lb/US gal) calculated

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 color 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.

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.

Abrasive Blast Cleaning:

Abrasive blast clean to Sa2½ (ISO 8501-1:2007) or SSPC-SP6. If oxidation has occurred between blasting and application of Intercryl 520, 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.

Primed Surfaces

Intercryl 520 can be applied over approved anti-corrosive primers. The primer surface should be dry and free from all contamination, and Intercryl 520 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 Sa½ (ISO 8501-1:2007) or SSPC-SP6 Abrasive Blasting or SSPC-SP11, Power Tool Cleaning] and patch primed prior to the application of Intercryl 520.

Concrete & Wood

Consult International Paint.

NOTE:

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

Sa2 (ISO 8501-1:2007) in place of SSPC-SP6

Pt3 (JSRA SPSS:1984) in place of SSPC-SP11

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APPLICATION

Mixing	This material is a one pack coating. Always mix thoroughly with a power agitator before application.
Thinner	Potable Water or International GTA991
Airless Spray	Recommended Tip Range 15-21 thou (0.38-0.53 mm) Total output fluid pressure at spray tip not less than 1790 psi (126 kg/cm ²)
Conventional Spray	DeVilbiss MBC-510 gun E tip and 704 air cap; 3/8" (9.5 mm) ID material hose; double regulated pressure tank with oil and moisture separator.
Brush	Suitable.
Roller	Suitable.
Cleaner	International GTA991
Work Stoppages and Cleanup	Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with International GTA991. 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. Clean all equipment immediately after use with International GTA991. Spray equipment requires flushing with this solvent. It is good working practice to periodically flush out spray equipment during the course of the working day. Frequency will depend upon factors such as amount sprayed, temperature and elapsed time including work stoppages. Monitor material condition. Do not exceed pot life limitations. All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.
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 vapor 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

Apply in good weather when air and surface temperatures are above 50°F. Surface temperature must be at least 5°F above dew point. Do not apply when relative humidity is above 85% or when inclement weather is predicted. The drying and overcoating times will be extended if the relative humidity is greater than 70%. Ensure good airflow around the painted object, minimum air speed 4 in/sec. Minor areas which are difficult to ventilate should be brush applied to prevent over application.

Application below the minimum film forming temperature and/or poor ventilation will result in a powdery cracked film which will require removal and re-application. For optimum application properties, bring material to 70-80°F temperature range prior to mixing and application. Unmixed material (in closed containers) should be maintained in protected storage between 40 and 100°F. Keep from freezing.

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	
		Vol	Pack
	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	Unit Size	Unit Weight
	5 US gal	57.7 lb
	1 US gal	11.5 lb

STORAGE	Shelf Life	12 months minimum at 77°F. Subject to re-inspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition.
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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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