

## Waterborne Primer

**PRODUCT DESCRIPTION** A water-based, low VOC content primer. Fast drying with flexible overcoating properties.

**INTENDED USES** For use behind linings, in store rooms and internal accommodation areas.  
Can be used where reduced solvent emission is required.  
For use at Newbuilding or Maintenance & Repair.

**PRODUCT INFORMATION**

<b>Colour</b>	WPA750-Light Grey, WPA751-Eau-De-Nil
<b>Finish/Sheen</b>	Matt
<b>Part B (Curing Agent)</b>	Not applicable
<b>Volume Solids</b>	45% $\pm$ 2% (ISO 3233:1998)
<b>Mix Ratio</b>	Not applicable
<b>Typical Film Thickness</b>	75 microns dry (167 microns wet)
<b>Theoretical Coverage</b>	6.00 m <sup>2</sup> /litre at 75 microns dft, allow appropriate loss factors
<b>Method of Application</b>	Airless Spray, Brush, Roller
<b>Flash Point (Typical)</b>	Not applicable

Drying Information	5°C	10°C	25°C	35°C
Touch Dry [ISO 9117/3:2010]	60 mins	40 mins	30 mins	20 mins
Hard Dry [ISO 9117-1:2009]	90 mins	75 mins	60 mins	30 mins

Overcoating Data - see limitations	Substrate Temperature							
	5°C		10°C		25°C		35°C	
Overcoated By	Min	Max	Min	Max	Min	Max	Min	Max
Intercryl 544	-	-	3 hrs	ext	2 hrs	ext	60 mins	ext
Intercryl 545	-	-	3 hrs	ext	2 hrs	ext	60 mins	ext

**Note** Intercryl 544 is not recommended for application/ overcoating at temperatures below 10°C.

**REGULATORY DATA**

<b>VOC</b>	17 g/lit as supplied (EPA Method 24) 23 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.

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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.

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

For high zinc primers, grit sweep to AS2 International Paint Sweep Blast Standards or power tool to Pt2 (JSRA SPSS 1984)

For iron oxide epoxy shop primers, ensure the intact primer is clean and dry. Weld seams and damaged areas should be prepared to the specified standard (eg. Sa2½ ISO 8501-1:2001).

For PVB and unapproved shop primers, the surface should be blast cleaned to Sa2½ (ISO 8501-1:2007)

#### MAJOR REFURBISHMENT

Abrasive blast clean to Sa2½ (ISO 8501-1:2007).

#### REPAIR

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

Loose or flaking coatings should be removed back to a firm edge and Intercryl 544 should be applied to overlap the existing coating by 2-3 centimetres (one inch) .

Consult your International Paint representative for specific recommendations.

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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 water only in exceptional circumstances (max 5% by volume).
<b>Airless Spray</b>	Recommended Tip Range 0.46-0.53 mm (18-21 thou) Total output fluid pressure at spray tip not less than 106 kg/cm <sup>2</sup> (1510 p.s.i.)
<b>Conventional Spray</b>	Application by conventional spray is not recommended.
<b>Brush</b>	Application by brush is recommended for 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. Thinning may be required.
<b>Cleaner</b>	Water/Detergent
<b>Work Stoppages and Cleanup</b>	Thoroughly flush all equipment with Water/Detergent. All unused material should be stored in tightly closed containers. Partially filled containers may show surface skinning and/or 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

Intercryl 544 is not suitable for external use.

This product should not be exposed to temperatures of 0°C or below (protect from frost).

Do not apply at temperatures below 10°C.

The rate of drying is humidity and airflow dependant, consult International Paint. Do not apply when relative humidity exceeds 70%.

This product is NOT suitable for atmospheric exposure. Application should be carried out after block stage construction and erection seams are complete.

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	27.45 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.	

**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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