

## Waterborne Primer

**PRODUCT DESCRIPTION** A low VOC, single component waterborne primer based on alkyd emulsion.

**INTENDED USES** For use on internal areas and engine rooms.  
For use at Newbuilding.

<b>PRODUCT INFORMATION</b>	<b>Colour</b>	CPA583-White
	<b>Finish/Sheen</b>	Not applicable
	<b>Part B (Curing Agent)</b>	Not applicable
	<b>Volume Solids</b>	39% ±2% (ISO 3233:1998)
	<b>Typical Film Thickness</b>	80 microns dry (205 microns wet)
	<b>Theoretical Coverage</b>	4.9 m <sup>2</sup> /litre at 80 microns dft, allow appropriate loss factors
	<b>Method of Application</b>	Airless Spray, Brush, Roller
	<b>Flash Point (Typical)</b>	Single Pack 90°C

<b>Drying Information</b>	10°C	15°C	25°C	35°C
Touch Dry [ISO 9117/3:2010]	2 hrs	90 mins	45 mins	15 mins
Hard Dry [ISO 9117-1:2009]	16 hrs	16 hrs	7 hrs	2.5 hrs

<b>Overcoating Data - see limitations</b>	<b>Substrate Temperature</b>							
	10°C		15°C		25°C		35°C	
<b>Overcoated By</b>	Min	Max	Min	Max	Min	Max	Min	Max
Interlac 665	24 hrs	ext	24 hrs	ext	24 hrs	ext	24 hrs	ext
Interprime 5538	24 hrs	ext	24 hrs	ext	8 hrs	ext	4 hrs	ext
Intersheen 5579	24 hrs	ext	24 hrs	ext	8 hrs	ext	4 hrs	ext

**REGULATORY DATA** **VOC** 29 g/lt as supplied (EPA Method 24)  
21 g/kg of liquid paint as supplied. EU Solvent Emissions Directive (Council Directive 1999/13/EC)

**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.

## Waterborne Primer

### 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 must 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 areas of shop primer damage or breakdown should be blast cleaned to Sa2½ (ISO 8501-1:2007) or power tooled to Pt3 (JSRA SPSS:1984).

Intact approved shop primers must be clean, dry and free from soluble salts and any other surface contaminants. Unapproved shop primers should be blast cleaned to Sa2½ (ISO 8501 - 1:1998)

Consult your International Paint representative for specific recommendations.

## Waterborne Primer

### 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>	Potable Water.
<b>Airless Spray</b>	Recommended Tip Range 0.38-0.48 mm (15-19 thou) Total output fluid pressure at spray tip not less than 141 kg/cm <sup>2</sup> (2010 p.s.i.)
<b>Conventional Spray</b>	Use suitable proprietary equipment. Thinning may be required.
<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.
<b>Cleaner</b>	Potable Water.
<b>Work Stoppages and Cleanup</b>	Clean all equipment immediately after use with International No metric value exists for Cleaners. It is good working practice to periodically flush out spray equipment during the course of the working day. Frequency of cleaning will depend upon amount sprayed, temperature, relative humidity and elapsed time, including any delays. Do not exceed pot life limitations. All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.
<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**

**China – Contact (86) 532 83889090**

**R.O.W. - Contact Regional Office**

## Waterborne Primer

### LIMITATIONS

With all water based coatings careful control of application conditions is required to ensure good long term performance.

Interprime 5538 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)].

Application below the minimum film forming temperature (M.F.F.T.) of 5°C 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.

Interprime 5538 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

For availability of other unit sizes consult International Paint

UNIT SHIPPING WEIGHT (TYPICAL)	Unit Size	Unit Weight
	20 lt	27 Kg

STORAGE	Shelf Life	
	6 months 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.	

**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.*

All trademarks mentioned in this publication are owned by, or licensed to, the AkzoNobel group of companies.

© AkzoNobel, 2018

[www.international-marine.com](http://www.international-marine.com)