

## Chromate Free Etch Primer

<b>PRODUCT DESCRIPTION</b>	A single pack modified polyvinyl butyral/phosphoric acid etch primer free from zinc chromate.								
<b>INTENDED USES</b>	As an above water pretreatment primer designed to promote subsequent topcoat scheme adhesion to, and seal the surface of non-ferrous metals. Interprime 539 is particularly suitable for priming galvanised steel surfaces. For use at Newbuilding, Maintenance & Repair or On Board Maintenance.								
<b>PRODUCT INFORMATION</b>	<b>Colour</b>	VTA538-Yellow							
	<b>Finish/Sheen</b>	Matt (ISO 2813:1978)							
	<b>Part B (Curing Agent)</b>	Not applicable							
	<b>Volume Solids</b>	24% ±2% (ISO 3233:1998)							
	<b>Mix Ratio</b>	Not applicable							
	<b>Typical Film Thickness</b>	15 microns dry (63 microns wet)							
	<b>Theoretical Coverage</b>	16.00 m <sup>2</sup> /litre at 15 microns dft, allow appropriate loss factors							
	<b>Method of Application</b>	Airless Spray, Brush, Conventional Spray, Roller							
	<b>Flash Point (Typical)</b>	Single Pack 28°C							
<b>Drying Information</b>		5°C	15°C	25°C	40°C				
Touch Dry [ISO 9117/3:2010]		30 mins	20 mins	15 mins	10 mins				
Hard Dry [ISO 9117-1:2009]		60 mins	45 mins	30 mins	20 mins				
<b>Overcoating Data - see limitations</b>		<b>Substrate Temperature</b>							
		5°C		15°C		25°C		40°C	
<b>Overcoated By</b>		Min	Max	Min	Max	Min	Max	Min	Max
Interprime 198		2 hrs	ext	60 mins	ext	60 mins	ext	60 mins	ext

<b>REGULATORY DATA</b>	<b>VOC</b>	744 g/lit as supplied (EPA Method 24) 701 g/kg of liquid paint as supplied. EU Solvent Emissions Directive (Council Directive 1999/13/EC)
	<b>Note:</b>	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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### 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.

The preferred method of treating most non-ferrous and galvanised surfaces prior to application of International Paint systems is to brush blast or abrade following treatment as described above. When blast cleaning is employed, a low air pressure should be used with a fine grade of abrasive (0.2-0.5 mm) suitable for the substrate and the nozzle held 1 metre (3 feet) from the surface. Interprime 539 should only be used when this is not possible.

#### Non-Ferrous Metals

Ensure surface is clean, dry and free from metal corrosion products.

When the substrate is aluminium or a light alloy, the surface should be solvent cleaned and then etched chemically using Interprime 539. It is important to follow the application of Interprime 539 with a paint system appropriate to the painting of aluminium (consult International Paint).

#### Galvanised Steel

Degrease to SSPC-SP1 and remove any white zinc corrosion products by hand or power tool cleaning.

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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 International GTA220 only in exceptional circumstances. DO NOT thin more than allowed by local environmental legislation.
<b>Airless Spray</b>	Recommended Tip Range 0.25-0.38 mm (10-15 thou) Total output fluid pressure at spray tip not less than 112 kg/cm <sup>2</sup> (1590 p.s.i.)
<b>Conventional Spray</b>	Recommended.
<b>Brush</b>	Recommended.
<b>Roller</b>	Recommended.
<b>Cleaner</b>	International GTA220
<b>Work Stoppages and Cleanup</b>	Thoroughly flush all equipment with International GTA220. 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. Clean all equipment immediately after use with International GTA220. 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. 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**

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

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### LIMITATIONS

Care must be taken to ensure surface to be treated is fully degreased otherwise good adhesion of subsequent topcoats will not be achieved.

When applying Interprime 539 via airless spray techniques, up to 10% addition of recommended thinner may be added in certain circumstances to aid coating penetration.

Excessive film thickness may lead to splitting of the film when overcoated with high build systems.

When applying Interprime 539 in confined spaces, ensure adequate ventilation.

Over application of topcoating systems containing strong solvent blends can cause softening of Interprime 539.

This can cause subsequent loss of adhesion as the topcoat dries/cures, and should be avoided.

Interprime 539 is not suitable for use on underwater or boottop areas.

This product will not cure adequately below 5°C. For maximum performance, the curing temperature should be above 10°C.

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
	5 lt	5 lt	5 lt
	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
		5 lt
	1 US gal	9.6 lb

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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