Interprime 539

Chromate Free Etch Primer

PRODUCT DESCRIPTION

A single pack modified polyvinyl butyral/phosphoric acid etch primer free from zinc chromate.

INTENDED USES

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.

PRODUCT INFORMATION

Colour	VTA538-Yellow
Finish/Sheen	Matt (ISO 2813:1978)
Part B (Curing Agent)	Not applicable
Volume Solids	24% ±2% (ISO 3233:1998)
Mix Ratio	Not applicable
Typical Film Thickness	15 microns dry (63 microns wet)
Theoretical Coverage	16.00 m²/litre at 15 microns dft, allow appropriate loss factors
Method of Application	Airless Spray, Brush, Conventional Spray, Roller
Flash Point (Typical)	Single Pack 28°C

Drying Information	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

Overcoating Data - see limitations

	Substrate Temperature							
	5°C		15°C		25°C		40°C	
Overcoated By	Min	Max	Min	Max	Min	Max	Min	Max
Interprime 198	2 hrs	ext	60 mins	ext	60 mins	ext	60 mins	ext

REGULATORY DATA

VOC

744 g/lt as supplied (EPA Method 24)
701 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.

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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.

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

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 GTA220 only in exceptional circumstances. DO NOT thin more than allowed by local environmental legislation.
Airless Spray	Recommended Tip Range 0.25-0.38 mm (10-15 thou) Total output fluid pressure at spray tip not less than 112 kg/cm² (1590 p.s.i.)
Conventional Spray	Recommended.
Brush	Recommended.
Roller	Recommended.
Cleaner	International GTA220
Work Stoppages and Cleanup	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.
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

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	5.8 Kg
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

www.international-marine.com