

PRODUCT DESCRIPTION

A VOC compliant, single component, weldable water borne acrylic preconstruction primer pigmented with zinc phosphate.

INTENDED USES

Designed for use as a preconstruction holding primer for use on correctly prepared steel substrates.
 Suitable for use in automatic spray installations.

PRACTICAL INFORMATION FOR INTERPLATE 1809

Colour	Red Brown, Blue Grey
Gloss Level	Matt
Volume Solids	37%
Typical Thickness	30 microns (1.2 mils) dry equivalent to 81 microns (3.2 mils) wet
Theoretical Coverage	12.30 m ² /litre at 30 microns d.f.t and stated volume solids 495 sq.ft/US gallon at 1.2 mils d.f.t and stated volume solids
Practical Coverage	Allow appropriate loss factors
Method of Application	Airless Spray, Air Spray
Drying Time	

Temperature	Touch Dry	Hard Dry	Overcoating Interval with recommended topcoats	
			<i>Minimum</i>	<i>Maximum</i>
15°C (59°F)	9 minutes	14 minutes	4 hours	Extended ¹
25°C (77°F)	6 minutes	8 minutes	4 hours	Extended ¹
40°C (104°F)	2 minutes	4 minutes	4 hours	Extended ¹

¹ See International Protective Coatings Definitions and Abbreviations

Drying times and overcoating intervals are dependent upon ambient conditions.
 The figures quoted above compare with data given for Interplate 809 thinned 10%.

REGULATORY DATA

Flash Point	>101°C (214°F)	
Product Weight	1.30 kg/l (10.8 lb/gal)	
VOC	44 g/kg	EU Solvent Emissions Directive (Council Directive 1999/13/EC)

See Product Characteristics section for further details

SURFACE PREPARATION

All surfaces to be coated should be clean, dry and free from contamination. Prior to paint application all surfaces should be assessed and treated in accordance with ISO 8504:2000.

Oil or grease should be removed in accordance with SSPC-SP1 solvent cleaning.

Strict adherence to all cleanliness standards is essential for application of water based coatings.

Abrasive Blast Cleaning

Abrasive blast clean to Sa2½ (ISO 8501-1:2007) or SSPC-SP6. If oxidation has occurred between blasting and application of Interplate 1809, 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.

This product is NOT recommended over hand prepared steel.

A surface profile of 25-50 microns (1-2 mils) is recommended.

APPLICATION

Mixing	This material is a one component coating and should always be mixed thoroughly with a power agitator before application.	
Mix Ratio	Not applicable	
Airless Spray	Recommended	Tip Range 0.33-0.48 mm (13-19 thou) Total output fluid pressure at spray tip not less than 155 kg/cm ² (2204 p.s.i.)
Air Spray (Pressure Pot)	Recommended	Use suitable proprietary equipment
Brush	Not recommended	
Roller	Not recommended	
Thinner	Clean potable water	
Cleaner	Clean potable water or International GTA991	
Work Stoppages	Thoroughly flush all equipment with International GTA991. 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 Up	Clean all equipment immediately after use with clean water followed by International GTA991. It is good working practice to periodically flush out spray equipment during the course of the working day. Frequency should depend upon amount sprayed, temperature and elapsed time, including any delays.	
	All surplus material and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.	

**PRODUCT
CHARACTERISTICS**

Interplate 1809 is designed for use in an automatic plant. It can be applied by manual spray but this is not recommended for complex structures.

With all water based coatings careful control of application conditions is required to ensure good long term performance. International Protective Coatings have available a set of working procedures relating to the application of water borne paints which is available on request.

The following basic parameters must be adhered to:

Interplate 1809 must be protected from freezing at all times during storage.

The minimum steel temperature for application must be above 10°C (50°F), and be at least 3°C (5°F) 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)].

Minor areas which are difficult to ventilate should be brush applied to prevent over-application.

The minimum film forming temperature (M.F.F.T.) for Interplate 1809 is 6°C (43°F). Application below the M.F.F.T. of the coating and/or poor ventilation will result in poor film coalescence and a powdery cracked film which will require removal and re-application.

Failure to obtain an even film and coverage of blast profile will result in rapid rash rusting on exposure to weathering.

The drying times quoted are for recommended dry film thickness at stated temperatures and will be extended by over-application.

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

Maximum continuous dry temperature resistance for Interplate 1809 is 120°C (248°F).

Note: VOC values are typical and are provided for guidance purpose only. These may be subject to variation depending on factors such as differences in colour and normal manufacturing tolerances.

**SYSTEMS
COMPATIBILITY**

Interplate 1809 can be overcoated with a number of systems suitable for steel protection in a wide range of environments.

For information regarding suitable topcoats for Interplate 1809, please consult International Protective Coatings.

ADDITIONAL INFORMATION

Further information regarding industry standards, terms and abbreviations used in this data sheet can be found in the following documents available at www.international-pc.com:

- Definitions & Abbreviations
- Surface Preparation
- Paint Application
- Theoretical & Practical Coverage

Individual copies of these information sections are available upon request.

SAFETY PRECAUTIONS

This product is intended for use only by professional applicators in industrial situations in accordance with the advice given on this sheet, the Material Safety Data Sheet and the container(s), and should not be used without reference to the Material Safety Data Sheet (MSDS) which International Protective Coatings has provided to its customers.

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.

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.

If in doubt regarding the suitability of use of this product, consult International Protective Coatings for further advice.


PACK SIZE	Unit Size	Vol	Pack
	20 litre	20 litre	20 litre
For availability of other pack sizes, contact International Protective Coatings.			
SHIPPING WEIGHT	Unit Size		
	20 litre	27.8 kg	
STORAGE	Shelf Life	3 months minimum at 25°C (77°F). Subject to re-inspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition.	

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 International Paint 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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