

PRODUCT DESCRIPTION A phosphoric acid based mordant solution for treating galvanised steel. Formulated to meet the requirements of British Rail's "T-Wash" solution.

INTENDED USES For the chemical pretreatment of galvanised steel prior to the application of protective coating systems, in order to ensure good adhesion where blasting or abrasion is not possible.

This product has the following specification approvals:
Complies with British Rail Mordant Solution ("T Wash").
Complies with UK Department of Transport Item No. 155.

PRACTICAL INFORMATION FOR INTERPRIME 160

Colour Pale blue liquid
Gloss Level Not applicable
Volume Solids Not applicable
Typical Thickness Not applicable
Theoretical Coverage Not applicable (see Practical Coverage)
Practical Coverage Aim to apply at a rate of 20 m²/litre
Method of Application Brush
Pack Size 5 litre unit
Drying Time

Temperature	Touch Dry	Hard Dry	Overcoating Interval with recommended topcoats	
			<i>Minimum</i>	<i>Maximum</i>
10°C (50°F)	Not applicable	Not applicable	2 hours	2 days
15°C (59°F)	Not applicable	Not applicable	2 hours	2 days
25°C (77°F)	Not applicable	Not applicable	2 hours	2 days
40°C (104°F)	Not applicable	Not applicable	30 minutes	2 days

REGULATORY DATA

Flash Point 33°C (91°F)
VOC 330 g/l UK - PG6/23(92), Appendix 3
Product Weight 1.06 kg/l

PRODUCT CHARACTERISTICS

Interprime 160 is only recommended for etching galvanised surfaces. It is not suitable for the pre-treatment of other non-ferrous metals such as aluminium.

This product contains phosphoric acid. Before commencing application reference should be made to the material safety data sheet (MSDS), and the appropriate personal protective equipment should be worn, e.g. gloves, goggles, face-mask etc.

Apply to a suitably prepared, clean galvanised surface and then allow to dry. The mordant solution will gradually react and the blue colour will change with the surface blackening. This should finally achieve a uniform dark grey colour. If this does not occur due to presence of oils, grease, flux, or passivation of the surface then this area will require abrasion and a second coat of Interprime 160.

Over-application will produce a dense black powdery layer which is not suitable for the application of subsequent topcoats. This will require either abrading or washing with fresh water to remove excess acid or powdery deposits, otherwise blistering and/or adhesion loss of topcoats can occur.

Thinning is not normally required. However, if application trials result in a dense black powdery surface, then Interprime 160 should be diluted with clean, potable water and further application trials undertaken.

Interprime 160

Etch Solution

SURFACE PREPARATION

The performance of this product will depend upon the degree of surface preparation. The surface 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 8504:1992.

Galvanised Steel

Galvanised surfaces can be very variable. The preferred method of treatment for subsequent application of protective coatings systems is to sweep blast in order to provide a “physical key” to the substrate following degreasing and cleaning as described above. Alternatively, the substrate should be abraded to remove areas of passivated zinc products.

The surface should be washed to remove any traces of soluble zinc salts and allowed to dry before application of Interprime 160.

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	
Working Pot Life	Not applicable	
Airless Spray	Not suitable	
Air Spray (Pressure Pot)	Not suitable	
Brush	Recommended	Apply at 20 m ² /litre
Roller	Suitable	
Thinner	Clean water (not normally required)	
Cleaner	Clean water	

ADDITIONAL INFORMATION

Further information regarding industry standards, terms and abbreviations used in this data sheet can be found in the following sections of the International Protective Coatings data manual:

- 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, and the container(s), and should not be used without reference to the Material Safety Data Sheet 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.

STORAGE

Shelf Life 24 months minimum at 25°C (77°F). Subject to re-inspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition.

Disclaimer

The information given in this sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. Any warranty, if given, or specific Terms & Conditions of Sale are contained in International's Terms & Conditions of Sale, a copy of which can be obtained on request. Whilst we endeavour to ensure that all advice we give about the product (whether in this sheet or otherwise) is correct we have no control over either the quality or 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 whatsoever or howsoever arising for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of the use of the product. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.

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