

Interprime 741

S o l v e n t b o r n e v i n y l e t c h

Product Description

A revolutionary reinforced PVB single pack primer combining in one application etching and pre-treatment qualities for the preparation of ferrous and non-ferrous surfaces. This product has UK welding and Health certificates

Can be topcoated with alkyds, epoxies, chlorinated rubbers, catalysed acrylics, polyurethanes, solvent acrylics and water-based acrylics.

Fast drying.

Offers superior adhesion and is particularly suitable as a blast primer.

Intended Uses

As a fast drying chromate free single pack primer for both maintenance of existing structures and new construction.

Suitable for use on steel, zinc, copper, and non-passivated galvanising.

It is resistant to solvents, oil, grease, withstands 300°C and can be welded through leaving very little ash (welding certificates available).

Also suitable as a dust proof finish coat on concrete surfaces (Grey only, see product characteristics).

Practical Information for Interprime 741

Colour Red Oxide, Grey

Gloss Level Matt

Volume Solids 14 %

Typical Thickness 11 microns dry equivalent to 79 microns wet

Theoretical Coverage 12.7 m²/litre at 11 microns d.f.t and stated volume solids

Practical Coverage Allow appropriate loss factors

Method of Application Airless spray, Airspray, Brush, Roller

Drying Time‡

| Temperature | Touch Dry | Hard Dry | Overcoating Interval with recommended topcoats | |
|--------------|------------|------------|--|----------------|
| | | | <i>Minimum</i> | <i>Maximum</i> |
| 5°C (41°F) | 35 minutes | 3 hours | 10 hours | Extended* |
| 15°C (59°F) | 20 minutes | 2 hours | 5 hours | Extended* |
| 25°C (77°F) | 15 minutes | 1 hours | 3 hours | Extended* |
| 40°C (104°F) | 10 minutes | 45 minutes | 2 hours | Extended* |

‡ Drying times are dependent upon ambient conditions. The figures quoted above have been determined at the quoted temperature and 60% relative humidity.

* See International Protective Coatings Definitions & Abbreviations

Regulatory Data

Flash Point 19°C

VOC 749 g/l

Interprime 741

Solvent borne vinyl etch

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 8504:1992. Oil or grease should be removed in accordance with SSPC-SP1 solvent cleaning. Accumulated dirt and soluble salts must be removed. Dry bristle brushing will normally not be adequate for accumulated dirt. Soluble salts should be removed by fresh water washing.

Steel

Abrasive blast clean to a minimum of Sa2½ (ISO 8501-1:1988) SSPC-SP6. If oxidation has occurred between blasting and application of Interprime 741, 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.

Non ferrous metals

Degrease according to SSPC-SP1 solvent cleaning, and ensure surface is clean, dry and free from metal corrosion products. When substrate is aluminium or light alloy, the surface should be solvent cleaned according to SSPC-SP1 and then either etched chemically, or physically by light blast cleaning. When light blast cleaning is employed, a low air pressure should be used with a fine grade of abrasive (80 mesh) and gun held 1 metre from the surface.

Galvanised

Degrease to SSPC-SP1 and sweep blast all surfaces. Alternatively remove any white zinc corrosion products by hand abrasion cleaning. Weathered galvanised steel should have areas of red rust wire brushed to remove loose rust according to St3 (ISO 8501-1:1998).or SSPC-SP3.

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 | Recommended | - Tip range 0.38-0.53 mm (15-21 thou) - Total output fluid pressure at spray tip not less than 106 kg/cm ² (1,500 p.s.i.) |
| Air Spray (Pressure Pot) | Recommended | Gun DeVilbiss MBC or JGA Air Cap 704 or 765 Fluid Tip E |
| Brush | Suitable for small areas | Typically 75 microns can be achieved |
| Roller | Recommended | Typically 75 microns can be achieved |
| Thinner | International GTA741 | |
| Cleaner | International GTA741 | |
| Work Stoppages | Thoroughly flush all equipment with International GTA741. 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 International GTA741. 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 materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.

Interprime 741

Solvent borne vinyl etch

Product Characteristics

Anti-corrosive performance on hand prepared steel is related directly to both the degree of surface preparation and the dry film thickness of the system applied.

In order to ensure good anti-corrosive performance, it is important to achieve a minimum system dry film thickness of 11 microns. When applying Interprime 741 by brush or roller, it will be necessary to apply multiple coats to achieve the total specified system dry film thickness.

The product is not intended for use in aggressive, corrosive environments, or on heavily pitted, or contaminated steel.

When used in a marine environment the schemes and overcoating intervals utilised may differ. Coating systems incorporating Interprime 741 are not suitable for immersion service.

Do not use on lead, do not use on chrome passivated galvanising or chromate passivated aluminium, For these applications use Intercure 200, Intergard 251, Intergard 269 or Interprime 371.

Do not apply at temperatures within 3°C of the Dew Point.

Not suitable for immersion conditions or as a finish coat in wet floor areas due to risk of water staining.

When applying by conventional spray or airless spray the product may require extra solvent addition if "cobwebbing" occurs. Suggested thinning ratio is 4 parts Interprime 741 to 3 parts International GTA741 thinners. Use the lowest atomising pressure that the product will adequately atomise at to overcome "cobwebbing".

Interprime 741 may be used as a dipping material, if so then the product will need thinning at 2 parts Interprime 741 to 1 part International GTA741 thinners.

Systems Compatibility

The following topcoats are recommended for Interprime 741

Intercryl 530
Intercryl 988
Interfine 227
Interfine 629
Intergard 740
Intergard 765
Interlac 645
Interlac 688
Interlac 665
Intersheen 53
Interthane 80

For other suitable topcoats, please consult International Protective Coatings.

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Solvent borne vinyl etc h

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.

In the event welding or flame cutting is performed on metal coated with this product, dust and fume 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 | 20 litre unit | 20 litres in a 20 litre steel container | |
| | 4 litre unit | 4 litres in a 4 litre steel container | |
| | 1 litre unit | 1 litre in a 1 litre steel container | |
| For availability of other pack sizes contact International Protective Coatings | | | |
| Shipping Weight | U.N. Shipping No. 1263 | | |
| | 20 litre unit | Red 20.5 kg | Grey 20.2 kg |
| | 4 litre unit | Red 4.1 kg | Grey 4.0 kg |
| | 1 litre unit | Red 1.1 kg | Grey 1.1 kg |
| 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. Protect from freezing at all times during storage | | |

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.

It is the user's responsibility to check that this sheet is current prior to using the product. Issue date: 31/03/2000

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International Protective Coatings

Worldwide Availability

| World Centre | Asia Region | Australasia Region | Europe Region | Middle East Region | North America Region | South America Region |
|--|---|---|--|---|--|--|
| P.O Box 20980 Oriell House 16 Connaught Place London, W2 2ZB England | 3 Neythal Road Jurong Town Singapore 628570 | 115 Hyde Road Yeronga Brisbane Queensland Australia | P.O Box 20980 Oriell House 16 Connaught Place London, W2 2ZB England | PO Box 37 Dammam 31411 Saudi Arabia | 6001 Antoine Drive Houston Texas 77091 | Av Paiva 999, Neves, Sao Gonçalo, Rio de Janeiro Brazil |

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|------------------------|--------------------|-----------------------|------------------------|-----------------------|-----------------------|-----------------------|
| Tel: (44) 20 7479 6000 | Tel: (65) 663 3066 | Tel: (61) 7 3892 8866 | Tel: (44) 20 7479 6000 | Tel: (966) 3 812 1044 | Tel: (1) 713 682 1711 | Tel: (55) 21 624 7100 |
| Fax: (44) 20 7479 6500 | Fax: (65) 266 5287 | Fax: (61) 7 3892 4287 | Fax: (44) 20 7479 6500 | Fax: (966) 3 812 1169 | Fax: (1) 713 684 1327 | Fax: (55) 21 624 7123 |

Local Office:

Tel: (61) 7 3892 8888 Fax: (61) 7 3848 8757
New Zealand (0800 801 342)