Ероху



Product Description	A two component, epoxy anti-corrosive primer pigmented with zinc phosphate and tolerant of application to damp substrates.
Intended Uses	As a primer coat to provide anti-corrosive protection on steel surfaces produced by wet abrasive blasting or by ultra high pressure water washing. Interseal 414 will tolerate some surface dampness and a degree of flash rusting, and can be used as a viable alternative to the addition of flash rust inhibitors to the wet blasting water.

Practical	
Information for	
Interseal 414	

Red oxide				
Matt				
55%				
50 microns (2 mils) dry equivalent to 91 microns (3.6 mils) wet				
11.0 m²/litre at 50 microns d.f.t and stated volume solids 441 sq.ft/US gallon at 2 mils d.f.t and stated volume solids				
Allow appropriate loss factors				
Airless spray, Air spray, Brush				
Touch Dry	Hard Dry		ng Interval with nded topcoats <i>Maximum</i>	
6 hours 4 hours	24 hours 16 hours	20 hours 16 hours	Extended* Extended*	
	Matt 55% 50 microns (2 wet 11.0 m <sup>2</sup> /litre 441 sq.ft/US Allow approp Airless spray, Touch Dry 6 hours	Matt 55% 50 microns (2 mils) dry equiv wet 11.0 m²/litre at 50 microns d 441 sq.ft/US gallon at 2 mils Allow appropriate loss factors Airless spray, Air spray, Brush Touch Dry Hard Dry 6 hours 24 hours	Matt 55% 50 microns (2 mils) dry equivalent to 91 mic wet 11.0 m <sup>2</sup> /litre at 50 microns d.f.t and stated v 441 sq.ft/US gallon at 2 mils d.f.t and stated v Allow appropriate loss factors Airless spray, Air spray, Brush Touch Dry Hard Dry Minimum 6 hours 24 hours 20 hours	

\* See International Protective Coatings Definitions & Abbreviations

Regulatory Data	Flash Point	Base (Part A) 35°C (95°F)	C/A (Part B) 35°C (95°F)	Mixed 35°C (95°F)
	Product Weight	1.5 kg/l (12.5 lb/gal)		
	VOC	480 g/l (4.00 lb/gal) UK - PG6		23(92), Appendix 3

Ероху

Surface

All surfaces to be coated should be clean and free from contamination. Prior to paint application all surfaces should be assessed and treated in accordance with **Preparation** ÎSO 8504:1992. Oil or grease should be removed in accordance with SSPC-SP1 solvent cleaning. **Abrasive Blast Cleaning** 

Abrasive blast clean to Sa21/2 (ISO 8501-1:1988) or SSPC-SP6.

Surface defects revealed by the blast cleaning process, should be ground, filled, or treated in the appropriate manner.

Interseal 414 is suitable for application to blast cleaned surfaces which were initially to the above standard but have been allowed to flash rust or "ginger" due to the presence of moisture. The surface must be free from loose powdery deposits.

### Ultra High Pressure Hydroblasting/Abrasive Wet Blasting

May be applied to surfaces prepared to Sa2<sup>1</sup>/<sub>2</sub> (ISO 8501-1:1988) or SSPC-SP6 which have flash rusted to no worse than Grade HB21/2M (refer to International Hydroblasting Standards). It is also possible to apply to damp surfaces in some circumstances. Further information is available from International Protective Coatings.

Material is supplied in two containers as a unit. Always mix a Application Mixing complete unit in the proportions supplied. Once the unit has been mixed it must be used within the working pot life specified. Agitate Base (Part A) with a power agitator. Combine entire contents of Curing Agent (Part B) with Base (1)(2) (Part A) and mix thoroughly with power agitator. **Mix Ratio** 4 parts : 1 part by volume **Working Pot** 10°C (50°F) 15°C (59°F) 25°C (77°F) 40°C (104°F) 10 hours 2 hours 5 hours Life 8 hours **Airless Spray** Recommended Tip range 0.45-0.53 mm (18-21 thou) - Total output fluid pressure at spray tip not less than 155 kg/cm<sup>2</sup> (2,200 p.s.i.) Recommended **DeVilbiss MBC or JGA** Air Spray Gun (Pressure Pot) Air cap 704 or 765 Fluid Tip Typically 50 microns (2 mils) can be Brush Suitable - Small areas achieved only Typically 50 microns (2 mils) can be Roller Suitable - Small areas achieved only Thinner International GTA220 Do not thin more than allowed by local environmental legislation. Cleaner International GTA822 Work Stoppages Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with International GTA822. Once units of paint have been mixed they should not be resealed and it is advised that after prolonged stoppages work recommences with freshly mixed units. **Clean Up** Clean all equipment immediately after use with International GTA822. It is good working practice to periodically flush out spray equipment during the course of the working day. Frequency of cleaning will 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.

Ероху

Product	Interseal 414 is not designed for use on surfaces covered with standing or running water, only on substrates where traces of surface dampness still remain from the
Characteristics	drying process. Globules, puddles and accumulations of water must be removed (e.g. by blowing off with compressed air) before application of Interseal 414.
	When using approved flash rust inhibitors ensure accumulations of water are dispersed to prevent the presence of excess soluble salt on the surface. Flash rust inhibitors are not recommended for use in areas which are likely to be immersed.
	Maximum film build in one coat is best attained by airless spray. When applying by methods other than airless spray, the required film build is unlikely to be achieved.
	Application by air spray may require a multiple cross spray pattern to attain maximum film build. Low or high temperatures may require specific application techniques to achieve maximum film build.
	Airless spray is the preferred method of application on damp surfaces as the higher particle energy of the applied film aids moisture displacement from the substrate.
	This product will not cure adequately below 5°C (41°F). For maximum performance ambient curing temperatures should be above 10°C (50°F).
	Surface temperature must always be a minimum of 3°C (5°F) above dew point.
	Interseal 414 is suitable for use up to 95% relative humidity when the surface is dry, and up to 80% relative humidity when the surface is damp, otherwise surface moisture will not be transmitted through the film during the curing process.
	When Interseal 414 is allowed to weather before overcoating, ensure surface is clean and free from loose chalking before application of further coats.
	Interseal 414 is preferred for use with systems for chemical environments where zinc based materials can be subject to attack in both acidic and alkaline conditions.
	The maximum overcoating interval will be dependent upon the integrity of the exposed film. A film of 75 microns (3 mils) d.f.t. will normally be overcoatable after 6 months exposure provided it is adequately cleaned and any areas of mechanical damage repaired.
	Over-application should be avoided as thick films will not be as good a substrate for topcoat adhesion after ageing as those at the specified thickness. When using as a blast holding primer avoid over-application as thick films may suffer from cohesive film splitting if subsequent coats are also over-applied.
	Over-application of Interseal 414 will extend both the minimum overcoating periods and handling times, and may be detrimental to long term overcoating properties.
	In common with all epoxies Interseal 414 will chalk and discolour on exterior exposure. However, these phenomena are not detrimental to anti-corrosive performance.
	Interseal 414 is not designed for continuous water immersion.

Systems Compatibility Interseal 414 is suitable for overcoating with the following products:

Intercryl 525 Intercure 200 Intercure 202 Intercure 420 Intercure 422 Intergard 251 Intergard 269 Intergard 270 Intergard 400 Intergard 401 Intergard 410 Intergard 475 HS Intergard 735 Intergard 740 Interseal 670 HS Interzone 505 Interzone 954

For other suitable topcoats, consult International Protective Coatings.

Ероху

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, 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	20 litre unit	Interseal 414 Base16 litres in a 20 litre containerInterseal 414 Curing Agent4 litres in a 5 litre container		
	For availability of other pack sizes contact International Protective Coatings			
Shipping Weight	U.N. Shipping No. 1263			
	20 litre unit	28.3 kg (62.4 lb) Base (Part A) 4.2 kg (9.3 lb) Curing Agent (Part B)		
Storage	Shelf Life	18 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 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: 1st September 1997

Copyright © International Paint Ltd. **\*** and International are trademarks. International Protective Coatings

<u>World Centre</u> 50 George Street London W1A 2BB England	<u>Asia Region</u> 3 Neythal Road Jurong Town Singapore 628570	<u>Australasia Region</u> 115 Hyde Road Yeronga Brisbane Queensland Australia	<u>Europe Region</u> 50 George Street London W1A 2BB England	<u>Middle East Region</u> PO Box 37 Dammam 31411 Saudi Arabia	<u>North America Region</u> 6001 Antoine Drive Houston Texas 77091	South America Region Rua Gomes de Carvalho, 1356, 15° Andar, Vila Olímpia, São Paulo, S.P. CEP: 04547-005 Brazil
Tel: (44) 171 612 1400 Fax: (44) 171 612 1561	( ,	Tel: (61) 7 3892 8866 Fax: (61) 7 3892 4287 H&S (61) 1800 807 001	Tel: (44) 171 612 1410 Fax: (44) 171 612 1555		Tel: (1) 713 682 1711 Fax: (1) 713 684 1327	Tel: (011) 3044 0344 Fax: (011) 3044 0322
Local Office: Tel: 0191 469 6111 Fa:	k: 0191 495 0676					

E N G 0 8 9 8

Page No. 4