

# Intercure 200 HS

E p o x y

WORLD WIDE PRODUCT RANGE

## Product Description

A two component, high solids, low VOC, epoxy zinc phosphate/micaceous iron oxide primer offering excellent barrier protection, low temperature cure and rapid overcoating properties.

## Intended Uses

As a primer for steelwork intended for use in a wide range of environmental conditions including offshore, chemical and petrochemical plants, industrial buildings, pulp and paper mills, power plants and bridges.

Suitable for overcoating within 7 hours in most climatic conditions hence speeding up production and throughput in fabrication shops.

Provides quick cure even at low temperatures often encountered in maintenance painting.

## Practical Information for Intercure 200 HS

<b>Colour</b>	Sand, Grey and Red
<b>Gloss Level</b>	Matt
<b>Volume Solids</b>	80%
<b>Typical Thickness</b>	150-200 microns (6-8 mils) dry equivalent to 188-250 microns (7.5-10 mils) wet
<b>Theoretical Coverage</b>	5.3 m <sup>2</sup> /litre at 150 microns d.f.t and stated volume solids 214 sq.ft/US gallon at 6 mils d.f.t and stated volume solids
<b>Practical Coverage</b>	Allow appropriate loss factors
<b>Method of Application</b>	Airless spray, Air spray, Brush, Roller

## Drying Time

Temperature	Touch Dry	Hard Dry	Overcoating Interval with recommended topcoats	
			<i>Minimum</i>	<i>Maximum</i>
5°C (41°F)	4 hours	10 hours	7 hours	Extended*
15°C (59°F)	3 hours	6 hours	4 hours	Extended*
25°C (77°F)	2 hours	3 hours	3 hours	Extended*
40°C (104°F)	30 minutes	1 hour	1 hour	Extended*

\*See International Protective Coatings Definitions and Abbreviations

## Regulatory Data

<b>Flash Point</b>	Base (Part A) 38°C (100°F)	C/A (Part B) 27°C (81°F)	Mixed 33°C (91°F)
<b>Product Weight</b>	1.67kg/l (13.9lb/gal)		
<b>VOC</b>	230 g/l (1.9 lb/gal) UK - PG6/23(92), Appendix 3		



*Ecotech is an initiative by International Protective Coatings a world leader in coating technology to promote the use of environmentally sensitive products across the globe.*

# Intercure 200 HS

E p o x y

## 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.

### Abrasive Blast Cleaning

Abrasive blast clean to Sa2½ (ISO 8501-1:1988) or SSPC-SP6. If oxidation has occurred between blasting and application of Intercure 200 HS, 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.

Intercure 200 HS is suitable for application to blast cleaned surfaces which were initially to the above standard but have been allowed to deteriorate under good shop conditions for up to 7-10 days. The surface may deteriorate to Sa2 standard but must be free from loose powdery deposits.

### Shop Primed Steel

Weld seams and damaged areas should be blast cleaned to Sa2½ (ISO 8501-1:1988) or SSPC-SP6.

If the shop primer shows extensive or widely scattered breakdown overall sweep blasting may be necessary.

## Application

Mixing	Material is supplied in two containers as a unit. Always mix a complete unit in the proportions supplied. Once the unit has been mixed it must be used within the working pot life specified.  (1) Agitate Base (Part A) with a power agitator. (2) Combine entire contents of Curing Agent (Part B) with Base (Part A) and mix thoroughly with power agitator.			
Mix Ratio	3 parts : 1 part by volume			
Working Pot Life	5°C (41°F) 2½ hours	15°C (59°F) 1½ hours	25°C (77°F) 1 hour	40°C (104°F) 20 minutes
Airless Spray	Recommended	- Tip range 0.45-0.58 mm (18-23 thou). - Total output fluid pressure at spray tip not less than 170 kg/cm² (2,500 p.s.i.).		
Air Spray (Pressure Pot)	Recommended (5% thinning required)	Gun Air Cap Fluid Tip	DeVilbiss MBC or JGA 704 or 765 E	
Brush	Suitable - small areas only	Typically 75 microns (3 mils) can be achieved.		
Roller	Suitable - small areas only	Typically 75 microns (3 mils) can be achieved.		
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.			

# Intercure 200 HS

E p o x y

## Product Characteristics

Intercure 200 HS is preferred for use with systems for chemical environments where zinc based materials can be subject to attack in both acidic and alkaline conditions.

For thin films of this product 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 still 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.

Surface temperature must always be a minimum of 3°C (5°F) above dew point.

This product must only be thinned using International GTA220 thinners. The use of alternative thinners, particularly those containing Ketones, can severely inhibit the curing mechanism of the coating.

At low temperatures it may be necessary to thin Intercure 200 HS to enable airless spray application to be performed. Normally 2% thinning (by volume) with International GTA220 will be satisfactory for this purpose.

Intercure 200 HS is capable of curing at temperatures below 0°C (32°F). However, this product should not be applied at temperatures below 0°C (32°F) where there is a possibility of ice formation on the substrate.

This product is not available in pale and pastel shades due to a tendency to discolour rapidly. Additionally, in common with all epoxies Intercure 200 HS will chalk on exterior exposure. However, these phenomena are not detrimental to anti-corrosive performance.

Intercure 200 HS is not intended for use as a primer for steelwork which may be subjected to continuous immersion conditions.

Intercure 200 HS can also be used as a primer for substrates other than blasted steel, e.g. stainless steel, alloys etc. Consult International Protective Coatings for further details.

Absolute measured adhesion of topcoats to aged Intercure 200 HS is less than that to fresh material, however, it is adequate for the specified end use.

Over-application of Intercure 200 HS will extend both the minimum overcoating periods and handling times, and may be detrimental to long term overcoating properties.

Excessive over application of material on areas such as poorly prepared welds may result in long term stress cracking and so early failure.

## Systems Compatibility

Intercure 200 HS will normally be applied to suitably prepared steel, e.g. blast cleaned. However, if necessary, application over prefabrication blast primers can be performed. Consult International Protective Coatings for further details.

Recommended topcoats/intermediates are:

Intercure 420 HS	Interseal 670 HS
Interfine 629 HS	Interthane 870
Intergard 345	Interthane 990
Intergard 410	Interzone 505
Intergard 475 HS	Interzone 954
Intergard 540	Interzone 1000
Intergard 740	

For other suitable topcoats/intermediates, consult International Protective Coatings.

# Intercure 200 HS

E p o x y

## 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.

<b>Pack Size</b>	20 litre unit	Intercure 200 HS Base	15 litres in a 20 litre container
		Intercure 200 HS Curing Agent	5 litres in a 5 litre container
	For availability of other pack sizes contact International Protective Coatings		
<b>Shipping Weight</b>	U.N. Shipping No. 1263		
	20 litre unit	30.5 kg (67.3 lb) Base (Part A)	5.4 kg (12 lb) Curing Agent (Part B)
<b>Storage</b>	Shelf Life	12 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.*

*It is the user's responsibility to check that this sheet is current prior to using the product. Issue date: 23/11/2001*

Copyright © International Paint Ltd. and International are trademarks.

## 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 Oriol 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 Oriol 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
Tel: (44) 20 7479 6000 Fax: (44) 20 7479 6500	Tel: (65) 663 3066 Fax: (65) 266 5287	Tel: (61) 7 3892 8888 Fax: (61) 7 3892 4287 H&S (61) 1800 807 001	Tel: (44) 20 7479 6000 Fax: (44) 20 7479 6500	Tel: (966) 3 812 1044 Fax: (966) 3 812 1169	Tel: (1) 713 682 1711 Fax: (1) 713 684 1514	Tel: (55) 21 624 7100 Fax: (55) 21 624 7123

### Local Office:

Tel: 0191 469 6111 Fax: 0191 495 0676