Intercure® 200HS

International

Rapid Recoat Epoxy

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 200HS

Color	Sand, Gray, Red
Gloss Level	Matte
Volume Solids	80%
Typical Thickness	6-8 mils (150-200 microns) dry equivalent to 7.5-10 mils (188-250 microns) wet
Theoretical Coverage	214 sq.ft/US gallon at 6 mils d.f.t and stated volume solids 5.33 m²/liter at 150 microns d.f.t and stated volume solids
Practical Coverage	Allow appropriate loss factors
Method of Application	Airless Spray, Air Spray, Brush, Roller

Drying Time

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

[1] See International Protective Coatings Definitions & Abbreviations

REGULATORY DATA

Flash Point (Typical) Part A 100°F (38°C); Part B 81°F (27°C); Mixed 91°F (33°C)

Product Weight 13.9 lb/gal (1.67 kg/l)

VOC

1.91 lb/gal (230 g/lt)	EPA Method 24
139 g/kg	EU Solvent Emissions Directive (Council Directive 2010/75/EC)
187 g/lt (1.56 lb/US Gal)	Chinese National Standard GB23985

Coating hazard marker GB 30981.2-S-Pb≤1000-NC Qualified for GB 30981.2-2025

See Product Characteristics section for further details

Intercure® 200HS

Rapid Recoat Epoxy

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 8504:2019.

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

Abrasive Blast Cleaning
Abrasive blast clean to SSPC SP6 or Sa2½ (ISO 8501-1:2007). If oxidation has occurred between blasting and application of Intercure 200HS 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 200HS 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.

A sharp, angular profile of 2-3 mils (50-75µm) should be achieved.

Shop Primed Steel
Weld seams and damaged areas should be blast cleaned to SSPC SP6 or Sa2½ (ISO 8501-1:2007).

If the shop primer shows extensive or widely scattered breakdown overall sweep blasting maybe 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 part(s) : 1 part(s) by volume

Working Pot Life

41°F (5°C)	59°F (15°C)	77°F (25°C)	104°F (40°C)
150 minutes	90 minutes	1 hour	20 minutes

Airless Spray

Recommended

Tip Range 18-23 thou (0.45-0.58 mm)
Total output fluid pressure at spray tip not less than 2417 psi (170 kg/cm²)

Air Spray (Pressure Pot)

Recommended
(5% thinning required)

Gun DeVilbiss MBC or JGA
Air Cap 704 or 765
Fluid Tip E

Brush

Suitable - Small areas only

Typically 3.0 mils (75 microns) can be achieved

Roller

Suitable - Small areas only

Typically 3.0 mils (75 microns) can be achieved

Thinner

International GTA220

Thinning is not normally required. Consult the local representative for advice during application in extreme conditions. Do not thin more than allowed by local environmental legislation.

Cleaner

International GTA220 (or GTA415)

Work Stoppages

Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with International GTA220. 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 GTA220. 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® 200HS

Rapid Recoat Epoxy

PRODUCT CHARACTERISTICS

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

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 5°F (3°C) above dew point.

This product must only be thinned using recommended 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 200HS to enable airless apray application to be performed. Normally 2% thinning (by volume) with International GTA220 will be satisfactory for this purpose.

Intercure 200HS is capable of curing at temperatures below 32°F (0°C). However, this product should not be applied at temperatures below 32°F (0°C) 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 200HS will chalk on exterior exposure. However, these phenomena are not detrimental to anti-corrosive performance.

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

Intercure 200HS 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 200HS is less than that to fresh material, however, it is adequate for the specified end use.

Over-application of Intercure 200HS 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.

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 color and normal manufacturing tolerances.

Low molecular weight reactive additives, which will form part of the film during normal ambient cure conditions, will also affect VOC values determined using EPA Method 24.

SYSTEMS COMPATIBILITY

Intercure 200HS 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 420HS	Intercure 4500
Interfine 629HS	Interfine 691
Interfine 878	Interfine 979
Intergard 410	Intergard 345
Intergard 475HS	Intergard 740
Interseal 670HS	Interthane 870
Interthane 990	Interzone 1000
Interthane 990E	

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

Intercure® 200HS

Rapid Recoat Epoxy

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

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 AkzoNobel for further advice.

PACK SIZE

Unit Size	Part A		Part B	
	Vol	Pack	Vol	Pack
20 liter	15 liter	20 liter	5 liter	5 liter
4 US gal	3 US gal	5 US gal	1 US gal	1 US gal

For availability of other pack sizes, contact AkzoNobel.

SHIPPING WEIGHT (TYPICAL)

Unit Size	Part A	Part B
20 liter	30.5 kg	5.4 kg
4 US gal	47.3 lb	8.1 lb

STORAGE

Shelf Life	12 months minimum at 77°F (25°C). Subject to re-inspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition.

Disclaimer

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 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.

Copyright © AkzoNobel, 5/26/2026.

All trademarks mentioned in this publication are owned by, or licensed to, the AkzoNobel group of companies.

www.international-pc.com