Interdur® 8810

Epoxy Zinc-Rich

PRODUCT DESCRIPTION

A two component, metallic zinc rich epoxy primer which complies with the composition and performance requirements of HG/T3668.

INTENDED USES

Ideal for cathodic protection of steel structures, tanks, bridges, equipment, piping and other steel surfaces exposed in mild to severe industrial environments. Also ideal for touch-up and maintenance work because of its easy application, wide compatibility and fast dry to recoat.

PRACTICAL INFORMATION FOR INTERDUR 8810

Colour	Red, Grey
Gloss Level	Matt
Volume Solids	70%
Typical Thickness	50-100 microns (2-4 mils) dry equivalent to 71-143 microns (2.8-5.7 mils) wet
Theoretical Coverage	9.33 m²/litre at 75 microns d.f.t and stated volume solids 374 sq.ft/US gallon at 3 mils 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*
5°C (41°F)	*[1]	13 hours	4.5 hours	30 days[2]
15°C (59°F)	*[1]	7 hours	2 hours	30 days[2]
25°C (77°F)	*[1]	4 hours	1 hour	30 days[2]

[1] Not applicable
[2] Where overcoating is with epoxy intermediates / finishes or self overcoating. Overcoating intervals will be reduced when Interdur 8810 is to be overcoated with approved finishes; see Product Characteristics for further information.

REGULATORY DATA

Flash Point (Typical)	Part A 32°C (90°F); Part B 43°C (109°F); Mixed 32°C (90°F)	
Product Weight	3.09 kg/l (25.8 lb/gal)	
VOC	2.41 lb/gal (289 g/lt) 290 g/lt	EPA Method 24 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

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SURFACE PREPARATION

Steel Substrates

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 GB18839-2002.

Where necessary, remove weld spatter and smooth weld seams and sharp edges.

Blast to near-white metal surface cleanliness in accordance with Sa2.5 (GB8923-1 : 1988) for immersion service, or commercial blast cleanliness in accordance with Sa2 (GB 8923-1 : 1988) for non-immersion service. Blast profile on steel should be 38-62 microns in depth and be of a sharp, jagged nature as opposed to a "peen" pattern (from shot blasting). Surfaces must be free of grit dust.

Previously Painted Surfaces

Interdur 8810 may not be applied to existing coatings. All coatings must be removed by abrasive blast cleaning to a minimum standard of Sa2 (GB 8923-1 : 1988).

APPLICATION

Mixing	Material is supplied in two containers. Always mix whole units. The zinc metal is ready-mixed in Part A. Stir thoroughly with a slow speed mixer while slowly adding Part B. Continue to mix at slow speeds to a homogeneous condition. At temperatures of 16ºC (60°F) or above, allow a 15 minute induction time before using. Add about 10 minutes for each 6°C (10°F) lower temperature.	
Mix Ratio	9 part(s) : 1 part(s) by volume	
Working Pot Life	5°C (41°F): 7 hours 15°C (59°F): 6 hours 25°C (77°F): 6 hours	
Airless Spray	Recommended	Tip Range 0.63-0.63 mm (25-25 thou) Total output fluid pressure at spray tip not less than 207 kg/cm² (2944 p.s.i.)
Air Spray (Pressure Pot)	Suitable	Use a fluid tip of 1.78mm (0.070") or larger, a professional grade conventional gun and agitated spray pots.
Brush	Suitable	
Roller	Suitable	
Thinner	International GTA220	
Cleaner	International GTA220S	Choice of cleaner maybe subject to local legislation. Please consult your local representative for specific advice.
Work Stoppages	Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with International GTA220S. 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 GTA220S. 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.	

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PRODUCT CHARACTERISTICS

Advantages:

- Exceptional corrosion resistance
- Provides cathodic protection
- Easy to mix
- Zinc premixed
- Fast dry to handle and recoat
- Applies easily by brush, roll or spray
- Accepts a wide variety of topcoats for severe exposures
- Low VOC

Where Interdur 8810 is to be overcoated with Interdur 8860, the following overcoating intervals will apply;

	Minimum	Maximum
5°C (41°F)	4.5 hours	5 days
15°C (59°F)	2 hours	5 days
25°C (77°F)	1 hour	5 days

Do not topcoat with alkyd or alkyd-urethane coatings.

Interdur 8810 is not suitable for solvent or chemical immersion.

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 colour and normal manufacturing tolerances.

SYSTEMS COMPATIBILITY

The following topcoats are approved for use with Interdur 8810

Interdur 8814
Interdur 8840
Interdur 8860

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 litre	9 litre	12 litre	1 litre	5 litre

For availability of other pack sizes, contact AkzoNobel.

SHIPPING WEIGHT (TYPICAL)

Unit Size	Part A	Part B
20 litre	30.8 kg	1.42 kg

STORAGE

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.

Important Note

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.

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