Interdur® 8844

High Solids Epoxy

PRODUCT DESCRIPTION

A high solids, low VOC, high build epoxy primer/intermediate or finish coat, reinforced with chemically resistant high aspect ratio glass flake for enhanced durability, abrasion resistance and corrosion resistance.

INTENDED USES

For the protection of steelwork in all corrosive environments including splashzone areas on offshore structures, underdeck and above water areas, pilings, pulp and paper mills, bridges and chemical plants.

To provide excellent long term, anti-corrosive protection in both new construction and maintenance situations.

PRACTICAL INFORMATION FOR INTERDUR 8844

Colour	White
Gloss Level	Gloss
Volume Solids	87% (± 2%)
Typical Thickness	200-500 microns (8-20 mils) dry equivalent to 230-575 microns (9.2-23 mils) wet
Theoretical Coverage	2.90 m²/litre at 300 microns d.f.t and stated volume solids 116 sq.ft/US gallon at 12 mils d.f.t and stated volume solids
Practical Coverage	Allow appropriate loss factors
Method of Application	Air spray, Airless Spray, Brush, Roller

Drying Time

			Overcoating interval with self	
Temperature	**Touch Dry**	**Hard Dry**	*Minimum*	*Maximum*
10°C (50°F)	14 hours	24 hours	24 hours	14 days
15°C (59°F)	10 hours	18 hours	18 hours	10 days
25°C (77°F)	4 hours	8 hours	8 hours	7 days
40°C (104°F)	90 minutes	3 hours	3 hours	5 days

REGULATORY DATA

Flash Point (Typical)	Part A 30°C (86°F); Part B 44°C (111°F); Mixed 33°C (91°F)	
Product Weight	1.63 kg/l (13.6 lb/gal)	
VOC	1.90 lb/gal (228 g/lt)	EPA Method 24
	159 g/lt	Chinese National Standard GB/T 23985-2009

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

The performance of this product will depend upon the degree of surface preparation. The surface 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 8504:2000.

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

Abrasive Blast Cleaning

For immersion service, Interdur 8844 must be applied to surfaces blast cleaned to Sa2½ (ISO 8501 -1:2007) or SSPC-SP10. However, for atmospheric exposure Interdur 8844 may be applied to surfaces prepared to a minimum of Sa2½ (ISO 8501-1:2007) or SSPC-SP6.

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

A sharp, angular surface profile of 50-75 microns (2-3 mils) is recommended.

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

4 part(s): 1part(s) by volume

Working Pot Life

10°C (50°F)	15°C (59°F)	25°C (77°F)	40°C (104°F)
3 hours	2 hours	90 minutes	45 minutes

Airless Spray	Recommended	Tip Range 0.53-0.66 mm (21-26 thou) Total output fluid pressure at spray tip not less than 176 kg/cm² (2503 p.s.i.)	
Air Spray (Pressure Pot)	Suitable	Gun Air Cap Fluid Tip	DeVilbiss MBC or JGA 62 AC
Brush	Suitable	Small areas and stripe coating only	
Roller	Suitable	Small areas and stripe coating only	
Thinner	International GTA007	Maximum recommended thinning 5%. 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 GTA007S	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 GTA007S. 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 GTA007S. 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.

PRODUCT CHARACTERISTICS

Maximum film build in one coat is best attained by airless spray. When applying Interdur 8844 by brush or roller, it may be necessary to apply multiple coats to achieve the total specified system dry film thickness. Application of air spray requires a multiple cross spray pattern to attain maximum film build.

Apply in good climatic conditions. The temperature of the surface to be coated must be at least 3°C (5°F) above the dew point. Throughout application and curing, ensure adequate ventilation and air flow are present, in order to prevent 'dead spots'; especially when application is in confined spaces. In special cases where overcoating is required and curing has been at low temperature and high relative humidity, ensure no amine bloom is present prior to application of subsequent topcoats. Condensation occurring during or immediately after application may result in a matt finish and an inferior film. Premature exposure to ponding water will cause colour change. Where a durable cosmetic finish with good gloss and colour retention is required overcoat with recommended topcoats.

For use in atmospheric service a minimum dry film thickness of 350 microns (14 mils) is required in one coat when applied direct to steel, for water immersion a minimum of 450 microns (18 mils) dry film thickness is recommended. In each case protection can be achieved in a single coat application by airless spray. Interdur 8844 is suitable for steelwork exposed under buried conditions (Im3 according to ISO 12944-2) Interdur 8844 is compatible with sacrificial and impressed current cathodic protection systems.

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.

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

For immersion service, Interdur 8844 should be applied directly to steel substrate.

For atmospheric service, Interdur 8844 is compatible with the following primers:

Intercure 200HS
Intergard 269
Interdur 8816
Interdur 8817
Interzinc 52
Intergard 251

Suitable topcoats are:

Interdur 8860
Interfine 3399
Interfine 878
Intergard 740
Interthane 990

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

Warning: This product contains liquid epoxies and modified polyamines and may cause skin sensitisation if not used correctly.

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	16 litre	20 litre	4 litre	5 litre
	For availability of other pack sizes, contact AkzoNobel.				

SHIPPING WEIGHT (TYPICAL)	Unit Size	Part A	Part B
	20 litre	30.1 kg	4.5 kg

STORAGE	Shelf Life	12 months 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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