# Interdur® 8816

## Epoxy-Zinc

**PRODUCT DESCRIPTION**

A two component, metallic zinc rich epoxy primer, which complies with the composition requirements of Chinese Chemical Industrial Standard HG/T3668.

**INTENDED USES**

As a zinc primer to give protection as part of an anti-corrosive coating system for environments such as petrochemical facilities, pulp and paper plants, bridges and power plants.

Interdur 8816 has been designed to provide corrosion resistance in new construction situations.

**PRACTICAL INFORMATION FOR INTERDUR 8816**

| | |
|---|---|
| **Colour** | Grey |
| **Gloss Level** | Matt |
| **Volume Solids** | 67 ± 2% |
| **Typical Thickness** | 60-125 microns (2.4-5 mils) dry equivalent to<br>90-187 microns (3.6-7.5 mils) wet |
| **Theoretical Coverage** | 11.17 m²/litre at 60 microns d.f.t and stated volume solids<br>448 sq.ft/US gallon at 2.4 mils d.f.t and stated volume solids |
| **Practical Coverage** | Allow appropriate loss factors |
| **Method of Application** | Airless Spray, Air Spray |

**Drying Time**

| | | | Overcoating Interval with recommended topcoats | |
|---|---|---|---|---|
| **Temperature** | **Touch Dry** | **Hard Dry** | *Minimum* | *Maximum* |
| 5°C (41°F) | 60 minutes | 2.5 hours | 2.5 hours | Extended[1] |
| 15°C (59°F) | 30 minutes | 2 hours | 2 hours | Extended[1] |
| 25°C (77°F) | 10 minutes | 90 minutes | 90 minutes | Extended[1] |
| 40°C (104°F) | 5 minutes | 60 minutes | 60 minutes | Extended[1] |

[1] See International Protective Coatings Definitions and Abbreviations

**REGULATORY DATA**

| | | |
|---|---|---|
| **Flash Point (Typical)** | Part A 32°C (90°F); Part B 31°C (88°F); Mixed 31°C (88°F) | |
| **Product Weight** | 1.89 kg/l (15.8 lb/gal) | |
| **VOC** | 2.76 lb/gal (331 g/lt)<br>312 g/lt | EPA Method 24<br>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

## 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 a minimum of Sa2½ (ISO 8501-1:2007) or SSPC-SP6. If oxidation has occurred between blasting and application of Interdur 8816 the surface should be re-blasted to the specified visual standard. Surface defects revealed by the blast cleaning process should be ground, filled, or treated in the appropriate manner.

A surface profile of 40-75 microns (1.6-3.0 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): 1 part(s)by volume

**Working Pot Life**

| 5°C (41°F) | 15°C (59°F) | 25°C (77°F) | 40°C (104°F) |
|---|---|---|---|
| 3 hours | 2.5 hours | 1 hour | 30 minutes |

**Airless Spray**

Recommended

Tip Range 0.43-0.53 mm (17-21 thou)
Total output fluid pressure at spray tip not less than 176 kg/cm² (2503 p.s.i.)

**Air Spray (Pressure Pot)**

Recommended

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

**Brush**

Not recommended

**Roller**

Not recommended

**Thinner**

International GTA220 (or GTA415)

Do not thin more than allowed by local environmental legislation.

**Cleaner**

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 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.

**PRODUCT CHARACTERISTICS**

In order to ensure good anti-corrosive performance, it is important to achieve a minimum dry film thickness of Interdur 8816 of 60 microns (2.4 mils). The film thickness of Interdur 8816 applied must be compatible with the blast profile achieved during surface preparation. Low film thickness should not be applied over coarse blast profiles.

Care should be exercised to avoid the application of dry film thicknesses in excess of 150 microns (6 mils). Care should be exercised during application to avoid over-application which may result in cohesive film failure with subsequent high builds, and to avoid dry spray which can lead to pinholing of subsequent coats.

Over-application of Interdur 8816 will extend both the minimum overcoating periods and handling times, and may be detrimental to long term overcoating properties.

When Interdur 8816 is allowed to weather before topcoating ensure all zinc salts are removed prior to paint application and only topcoat with recommended materials.

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

Interdur 8816 is not normally recommended for underwater use. Please consult International Protective Coatings for details in this situation.

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.

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**SYSTEMS COMPATIBILITY**

Recommended topcoats are:

Interdur 8840
Interdur 8841
Interdur 8860
Intergard 475HS

For other suitable topcoats, consult International Protective Coatings.

**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.

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**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 |
| | 10 litre | 8 litre | 12 litre | 2 litre | 5 litre |
| | For availability of other pack sizes, contact AkzoNobel. | | | | |

| **SHIPPING WEIGHT (TYPICAL)** | Unit Size | Part A | Part B |
|---|---|---|---|
| | 10 litre | 18.1 kg | 2.3 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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