# Intergard® 269

## Epoxy

**PRODUCT DESCRIPTION**

A quick drying two component epoxy primer.

Suitable for overcoating after prolonged periods of weathering.

**INTENDED USES**

As a blast holding primer suitable for use in immersed and exposed conditions and overcoatable with a wide range of high performance systems.

For use at both new construction and maintenance.

Also for use as a tie coat on zinc silicate to prevent zinc salt formation on weathering and pinholing of subsequent high build topcoats.

**PRACTICAL INFORMATION FOR INTERGARD 269**

| | |
|---|---|
| **Colour** | Red (See Product Characteristics section for further details) |
| **Gloss Level** | Matt |
| **Volume Solids** | 47% |
| **Typical Thickness** | 40 microns (1.6 mils) dry equivalent to 85 microns (3.4 mils) wet |
| **Theoretical Coverage** | 11.80 m²/litre at 40 microns d.f.t and stated volume solids<br>471 sq.ft/US gallon at 1.6 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* |
| 10°C (50°F) | 40 minutes | 16 hours | 16 hours | Extended[1] |
| 15°C (59°F) | 35 minutes | 12 hours | 12 hours | Extended[1] |
| 25°C (77°F) | 30 minutes | 8 hours | 8 hours | Extended[1] |
| 40°C (104°F) | 15 minutes | 1 hour | 4 hours | Extended[1] |

[1] Maximum overcoating intervals are shorter when using polysiloxane topcoats. Consult International Protective Coatings for further details.

**REGULATORY DATA**

| | | |
|---|---|---|
| **Flash Point (Typical)** | Part A 26°C (79°F); Part B 25°C (77°F); Mixed 26°C (79°F) | |
| **Product Weight** | 1.53 kg/l (12.8 lb/gal) | |
| **VOC** | 3.75 lb/gal (450 g/lt) | EPA Method 24 |
| | 293 g/kg | EU Solvent Emissions Directive (Council Directive 1999/13/EC) |

See Product Characteristics section for further details



supplier : sfwong111@gmail.com

## 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 8504:2000.

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

**Abrasive Blast Cleaning**

For immersion service, Intergard 269 must be applied to surfaces blast cleaned to Sa2½ (ISO 8501-1:2007) or SSPC-SP10. However, for atmospheric exposure Intergard 269 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.

**Ultra High Pressure Hydroblasting / (non-immersed service only)**

May be applied to surfaces prepared to Sa2 (ISO 8501-1:2007) or SSPC-SP6 which have flash rusted to no worse than Grade HB2M (refer to International Hydroblasting Standards). Further information is available from International Protective Coatings.

**Tie Coat Applications (see Product Characteristics)**

In the case of zinc primers, where necessary, remove weld spatter, smooth weld seams and sharp edges and blast clean welds and damaged primer to Sa2½ (ISO 8501-1:2007) or SSPC-SP6. The shop primer or other primer surface should be dry and free of all contamination (oil, grease, salt etc) and overcoated with Intergard 269 within the overcoating intervals specified for the primer (consult the relevant product data sheet).

Ensure that the zinc primer has fully cured and is clean, dry and free from zinc salts prior to overcoating.

## 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**

| 10°C (50°F) | 15°C (59°F) | 25°C (77°F) | 40°C (104°F) |
|---|---|---|---|
| 17 hours | 12 hours | 8 hours | 3 hours |

| | | |
|---|---|---|
| **Airless Spray** | Recommended | Tip Range 0.38-0.53 mm (15-21 thou)<br>Total output fluid pressure at spray tip not less than 141 kg/cm² (2005 p.s.i.) |
| **Air Spray (Pressure Pot)** | Recommended | Gun DeVilbiss MBC or JGA<br>Air Cap 704 or 765<br>Fluid Tip E |
| **Brush** | Suitable - small areas only | Typically 25-30 microns (1.0-1.2 mils) can be achieved |
| **Roller** | Suitable - small areas only | Typically 25-30 microns (1.0-1.2 mils) can be achieved |
| **Thinner** | International GTA220 (or International GTA415) | Do not thin more than allowed by local environmental legislation |

**Cleaner**

International GTA822 or International GTA415

**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.

*supplier : sfwong111@gmail.com*

**PRODUCT CHARACTERISTICS**

**Use as a Holding Primer**

Intergard 269 is suitable for use as a blast holding primer for steelwork intended for exposure in both immersed and atmospheric exposure conditions. Apply Intergard 269 at the recommended thickness as over-application will result in a glossy surface which may not be suitable for overcoating after ageing.

When coating steel in high ambient temperatures thinning with International thinners may be necessary to prevent dry spray and control film thickness.

This product will not cure adequately below 5°C (41°F). For maximum performance ambient curing temperatures should be above 10°C (50°F).

Intergard 269 is also suitable for application to degreased and abraded stainless steel and galvanised steel. Abrasion can be carried out by light blasting using a non-ferrous abrasive or by carborundum disking on small areas.

**Use as a Tie Coat**

To ensure good penetration of zinc silicate coatings Intergard 269 should be thinned by 15-25% with International thinners. Intergard 269 should be allowed to cure before topcoating with high builds otherwise the effectiveness in preventing pinholing is reduced.

Excessive film thickness may lead to splitting of the film when overcoated with high build systems.

For application at temperatures below 10°C (50°F) alternative tie coats are available. For information contact International Protective Coatings.

When used in a marine environment the schemes and overcoating intervals utilised may differ.

Intergard 269 is globally available in Red; alternative shades may be available upon request. Consult International Protective Coatings for further details.

Note: VOC values quoted are based on maximum possible for the product taking into account variations due to colour differences 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.

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**SYSTEMS COMPATIBILITY**

Intergard 269 is suitable for use over the following primers:

Interzinc 22
Interzinc 52

The following topcoats/intermediates are recommended for Intergard 269:

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|---|---|
| Intercure 200HS | Intergard 740 |
| Intercure 420 | Interseal 670HS |
| Interfine 629HS | Interthane 870 |
| Interfine 878 | Interthane 990 |
| Interfine 979 | Interzone 505 |
| Intergard 251 | Interzone 954 |
| Intergard 345 | Interzone 1000 |
| Intergard 475HS | |

For details of other systems, consult International Protective Coatings.

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**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 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.

| | | | | | |
|---|---|---|---|---|---|
| **PACK SIZE** | Unit Size | Part A | | Part B | |
| | | Vol | Pack | Vol | Pack |
| | 20 litre | 16 litre | 20 litre | 4 litre | 5 litre |
| | 5 US gal | 4 US gal | 5 US gal | 1 US gal | 1 US gal |
| | For availability of other pack sizes, contact International Protective Coatings. | | | | |
| **SHIPPING WEIGHT (TYPICAL)** | Unit Size | Part A | | Part B | |
| | 20 litre | 28.9 kg | | 4.1 kg | |
| | 5 US gal | 59.7 lb | | 8.4 lb | |
| **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.*

*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.*

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*supplier : sfwong111@gmail.com*