# Intergard® 269

International

## 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**

| | |
|---|---|
| **Color** | Red (See Product Characteristics section for further details) |
| **Gloss Level** | Matte |
| **Volume Solids** | 47% |
| **Typical Thickness** | 1.6 mils (40 microns) dry equivalent to 3.4 mils (85 microns) wet |
| **Theoretical Coverage** | 471 sq.ft/US gallon at 1.6 mils d.f.t and stated volume solids<br>11.80 m²/liter at 40 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* |
| 50°F (10°C) | 40 minutes | 16 hours | 16 hours[2] | Extended[1] |
| 59°F (15°C) | 35 minutes | 12 hours | 12 hours[2] | Extended[1] |
| 77°F (25°C) | 30 minutes | 8 hours | 8 hours[2] | Extended[1] |
| 104°F (40°C) | 15 minutes | 1 hour | 4 hours[2] | Extended[1] |

[1] Maximum overcoating intervals are shorter when using polysiloxane topcoats. Consult International Protective Coatings for further details.
[2] Where Intergard 269 is used as a tank lining primer, overcoating window will be specific to the lining applied; please consult the relevant product data sheet for further information.

**REGULATORY DATA**

| | | |
|---|---|---|
| **Flash Point (Typical)** | Part A 79°F (26°C); Part B 77°F (25°C); Mixed 79°F (26°C) | |
| **Product Weight** | 12.8 lb/gal (1.53 kg/l) | |
| **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

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### 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 surface blast cleaned to a minimum of SSPC SP10 or Sa2½ (ISO 8501-1:2007). However, for atmospheric exposure Intergard 269 may be applied to surfaces prepared to a minimum of SSPC SP6 or Sa2½ (ISO 8501- 1:2007).

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.

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### 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**

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

| | | |
|---|---|---|
| **Airless Spray** | Recommended | Tip Range 15-21 thou (0.38-0.53 mm)<br>Total output fluid pressure at spray tip not less than 2005 psi (141 kg/cm²) |
| **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 1.0-1.2 mils (25-30 microns) can be achieved |
| **Roller** | Suitable - Small areas only | Typically 1.0-1.2 mils (25-30 microns) 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) | Choice of cleaner may be 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

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**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 41°F (5°C). For maximum performance ambient curing temperatures should be above 50°F (10°C).

Intergard 269 is also suitable for application to degreased and abraded stainless steel and galvanized steel. Abrasion can be carried out by light blasting using a non-ferrous abrasive or by carbarondum 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 50°F (10°C) 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.

**Use as a Tank Lining Holding Primer**

Intergard 269 may be used as a holding primer for selected tank linings for storage of crude/water mixes and refined hydrocarbon cargoes only.

Please refer to the relevant product datasheets for information on surface preparation and overcoating advice. Always contact your local AkzoNobel representative for confirmation of specification and service limitations.

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 color 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:

| | |
|---|---|
| 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 | |

Intergard 269 may be used as a holding primer for selected tank linings:

Interline 984
Interline 925P

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Interline 955