

Intergard 269

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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 oxide
Gloss Level Matt
Volume Solids 47%
Typical Thickness 40 microns (1.6 mils) dry equivalent to 85 microns (3.4 mils) wet
Theoretical Coverage 11.8 m²/litre at 40 microns d.f.t and stated volume solids
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

Temperature	Touch Dry	Hard Dry	Overcoating Interval with recommended topcoats	
			<i>Minimum</i>	<i>Maximum</i> #
10°C (50°F)	40 minutes	16 hours	16 hours	Extended*
15°C (59°F)	35 minutes	12 hours	12 hours	Extended*
25°C (77°F)	30 minutes	8 hours	8 hours	Extended*
40°C (104°F)	15 minutes	1 hour	4 hours	Extended*

* See International Protective Coatings Definitions & Abbreviations

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

Regulatory Data

Flash Point Base (Part A) 26°C (79°F) C/A (Part B) 25°C (77°F) Mixed 26°C (79°F)
Product Weight 1.5 kg/l (12.8 lb/gal)
VOC 411 g/l UK - PG6/23(92), Appendix 3
3.59 lb/gal (430 g/l) USA - EPA Method 24

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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 8504:1992.

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 8501-1:1988) or SSPC-SP10. However, for atmospheric exposure Intergard 269 may be applied to surfaces prepared to a minimum of Sa2½ (ISO 8501-1:1988) 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 8501-1:1988) 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 8501-1:1988) 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 parts : 1 part by volume			
Working Pot Life	10°C (50°F) 17 hours	15°C (59°F) 12 hours	25°C (77°F) 8 hours	40°C (104°F) 3 hours
Airless Spray	Recommended	- Tip range 0.38-0.53 mm (15-21 thou) - Total output fluid pressure at spray tip not less than 141 kg/cm ² (2,000 p.s.i.)		
Air Spray (Pressure Pot)	Recommended	Gun Air Cap Fluid Tip	DeVilbiss MBC or JGA 704 or 765 E	
Brush	Suitable - Small areas only	Typically 25-30 microns (1-1.2 mils) can be achieved		
Roller	Suitable - Small areas only	Typically 25-30 microns (1-1.2 mils) can be achieved		
Thinner	International GTA220 (or GTA415)	Do not thin more than allowed by local environmental legislation.		
Cleaner	International GTA822 (or 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.			

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Product Characteristics

Use as 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 carbarondum disk on small areas.

Use as 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.

Systems Compatibility

Intergard 269 is suitable for use over the following primers:

Interzinc 12
Interzinc 22
Interzinc 42
Interzinc 52
Interzinc 280
Interzinc 315

The following topcoats and intermediates can be applied to Intergard 269:

Intercryl 530	Intergard 475HS
Intercure 200HS	Intergard 735
Intercure 420	Intergard 740
Interfine 629HS	Interseal 670HS
Interfine 878	Interthane 870
Interfine 979	Interthane 990
Intergard 251	Interzone 505
Intergard 345	Interzone 954
Intergard 401	Interzone 1000

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 sections of the International Protective Coatings data manual:

- 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 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	20 litre unit	Intergard 269 Base	16 litres in a 20 litre container
		Intergard 269 Curing Agent	4 litres in a 5 litre container
	5 gallon unit	Intergard 269 Base	4 gallons in a 5 gallon container
		Intergard 269 Curing Agent	1 gallon in a 1 gallon container
For availability of other pack sizes contact International Protective Coatings			
Shipping Weight	U.N. Shipping No. 1263		
	20 litre unit	28.9 kg (63.7 lb) Base (Part A)	4.1 kg (9.0 lb) Curing Agent (Part B)
	5 gallon unit	27.1 kg (60.0 lb) Base (Part A)	3.8 kg (8.3 lb) Curing Agent (Part B)
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.	

Disclaimer

The information given in this sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. Any warranty, if given, or specific Terms & Conditions of Sale are contained in International's Terms & Conditions of Sale, a copy of which can be obtained on request. Whilst we endeavour to ensure that all advice we give about the product (whether in this sheet or otherwise) is correct we have no control over either the quality or 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 whatsoever or howsoever arising for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of the use of the product. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.

It is the user's responsibility to check that this sheet is current prior to using the product. Issue date: 18/01/2005

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International Protective Coatings

Worldwide Availability

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