Intergard® 2002

Epoxy

PRODUCT DESCRIPTION

A two-component, high solids and high build polyamine-cured epoxy.

INTENDED USES

Recommended for concrete floors where high durability and abrasion resistance are required, Intergard 2002 offers a self-levelling, easy to clean gloss finish with low permeation rates.

The low VOC of Intergard 2002 provides a reduced environmental impact.

PRACTICAL INFORMATION FOR INTERGARD 2002

Colour	Blue (other colours available upon request)
Gloss Level	Gloss
Volume Solids	95% ±2% (ISO 3233:1998)
Typical Thickness	300-1000 microns (12-40 mils) dry equivalent to 316-1053 microns (12.6-42.1 mils) wet
Theoretical Coverage	1.90 m²/litre at 500 microns d.f.t and stated volume solids 76 sq.ft/US gallon at 20 mils d.f.t and stated volume solids
Practical Coverage	Allow appropriate loss factors
Method of Application	Roller, Trowel

Drying Time

			Overcoating Interval with recommended topcoats	
Temperature	**Touch Dry**	**Hard Dry**	*Minimum*	*Maximum*
15°C (59°F)	3 hours	24 hours	24 hours	48 hours
25°C (77°F)	2 hours	12 hours	12 hours	24 hours
35°C (95°F)	90 minutes	6 hours	6 hours	12 hours

The surface is suitable for pedestrian traffic after 24-48 hours at 25ºC (77ºF). Time to place in service, 5 days at 25ºC (77ºF)

REGULATORY DATA

Flash Point (Typical)	Part A 58°C (136°F); Part B 75°C (167°F); Mixed 63°C (145°F)	
Product Weight	1.6 kg/l (13.4 lb/gal)	
VOC	60 g/lt	Calculated

See Product Characteristics section for further details

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SURFACE PREPARATION

Concrete should be cured for a minimum of 28 days prior to coating. All surfaces should be clean, dry and free from curing compounds, release agents, trowelling compounds, surface hardeners, efflorescence, grease, oil, dirt, old coatings and loose or disintegrating concrete.

All concrete surfaces must be scarified or abrasive blast cleaned to provide a roughened surface and then primed using Intergard 999. The primer surface should be dry and free from all contamination and Intergard 2002 must be applied within the overcoating intervals specified (consult the relevant product data sheet).

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	25°C (77°F) 60 minutes	
Airless Spray	Not suitable	
Air Spray (Conventional)	Not suitable	
Brush	Not suitable	
Roller	Recommended	A short nap, lambswool roller is recommended.
Trowel	Suitable	Small areas only
Thinner	Not recommended	Use International GTA007 only in exceptional circumstances. 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 or International GTA415. 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 or International GTA415. It is good working practice to periodically flush out spray equipment during the course of the working day. Frequency should 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

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.

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

For optimum application properties, the material temperature should be between 21-27ºC (70-80ºF) prior to mixing and application.

In common with all epoxy coatings Intergard 2002 may chalk or discolour on exterior exposure. Rate of chalking will depend upon climatic conditions, will have no adverse effect upon anti-corrosive property and will be limited to a thin surface layer.

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.

SYSTEMS COMPATIBILITY

Intergard 2002 is designed for application to correctly prepared substrates which have been suitably primed.

Recommended primer coat for Intergard 2002 is: Intergard 999

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

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
	3.6 litre	2.88 litre	3.6 litre	0.72 litre	0.9 litre
	For availability of other pack sizes, contact International Protective Coatings.				
SHIPPING WEIGHT (TYPICAL)	Unit Size	Part A		Part B	
	3.6 litre	5.18 kg		0.85 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

www.international-pc.com