

Waterbased Peelable Temporary Protective Coating

PRODUCT DESCRIPTION A single component, waterbased, Peelable Temporary Protective coating. Intergard 5400 dries to form a non tacky, tough, resilient temporary protective film.

INTENDED USES Intergard 5400 can be applied over a wide range of coated and uncoated surfaces. Intergard 5400 provides an ideal solution where coated substrates require temporary protection against contamination and damage.

PRODUCT INFORMATION	Colour	GMA540-Blue
	Part B (Curing Agent)	Not applicable
	Volume Solids	50% ±2% (ISO 3233:1998)
	Typical Film Thickness	100 microns dry (200 microns wet) for application over smooth surfaces. 200 microns dry (400 microns wet) for application of non-skids.
	Theoretical Coverage	5.00 m ² /litre at 100 microns dft, allow appropriate loss factors
	Flash Point (Typical)	Single Pack 101°C

Drying Information	5°C	10°C	25°C	35°C
Touch Dry [ISO 9117/3:2010]	90 mins	75 mins	30 mins	20 mins
Hard Dry [ISO 9117-1:2009]	3 hrs	2 hrs	60 mins	30 mins

Note See Limitations Section for information on Hard Cure Times and Min/Max Peel Times.

Overcoating Data - see limitations	Substrate Temperature							
	5°C		10°C		25°C		35°C	
Overcoated By	Min	Max	Min	Max	Min	Max	Min	Max

Note Intergard 5400 is not to be overcoated.

REGULATORY DATA **VOC** 60 g/lit calculated

Note: VOC values are typical and are provided for guidance purposes only. These may be subject to variation depending on factors such as differences in colour and normal manufacturing tolerances.

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SYSTEMS AND COMPATIBILITY

Intergard 5400 can be applied directly over the following approved products:

Interlac 1
Interlac 2
Intershield 6GV
Intershield 6LV
Interthane 990
Interthane 990HS

Consult your International Paint representative for the system best suited for the surfaces to be protected.

SURFACE PREPARATIONS

Use in accordance with the standard Worldwide Marine Specifications.

All surfaces to be coated should be clean, dry and free from contamination.

High pressure fresh water wash or fresh water wash, as appropriate, and remove all oil or grease, soluble contaminants and other foreign matter in accordance with SSPC-SP1 solvent cleaning.

Surface to be coated should be dry. Apply a wet continuous coat approximately 200-400 microns. Dry thickness will be approximately half of the thickness when wet. A minimum of 100 microns dry thickness is recommended. For additional protection, may be re-coated after the previous coat has dried. Coating should be tested to determine the best film thickness for your application.

Use masking material to protect adjoining surfaces from overspray. In order to peel Intergard 5400, it must be a continuous film. Overspray will not peel off. If overspray exists, remove it as soon as possible using a wet towel or sponge. Dry overspray can be removed with alcohol.

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APPLICATION

Mixing	This material is a one pack coating and should always be mixed thoroughly with a power agitator before application.
Thinner	Not recommended. Use tap water only in exceptional circumstances (max 5% by volume). DO NOT thin more than allowed by local environmental legislation.
Airless Spray	Recommended Tip Range 23-25 mm (906-984 thou) Total output fluid pressure at spray tip not less than 169 - 211 kg/cm ² (2400 - 3000 p.s.i.)
Conventional Spray	Use suitable equipment. Up to 5% thinning with water may be required.
Brush	Suitable.
Roller	Suitable.
Cleaner	Water
Work Stoppages and Cleanup	Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with tap water. Clean all equipment immediately after use with water. Spray equipment requires flushing with water. It is good working practice to periodically flush out spray equipment during the course of the working day. Frequency will depend upon factors such as amount sprayed, temperature and elapsed time including work stoppages. Monitor material condition. All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.
Welding	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. In North America do so in accordance with instruction in ANSI/ASC Z49.1 "Safety in Welding and Cutting."

SAFETY

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.

Prior to use, obtain, consult and follow the Material Safety Data Sheet for this product concerning health and safety information. Read and follow all precautionary notices on the Material Safety Data Sheet and container labels. If you do not fully understand these warnings and instructions or if you can not strictly comply with them, do not use this product. Proper ventilation and protective measures must be provided during application and drying to keep solvent vapour concentrations within safe limits and to protect against toxic or oxygen deficient hazards. Take precautions to avoid skin and eye contact (ie. gloves, goggles, face masks, barrier creams etc.) Actual safety measures are dependant on application methods and work environment.

EMERGENCY CONTACT NUMBERS:

USA/Canada - Medical Advisory Number 1-800-854-6813

Europe - Contact (44) 191 4696111. For advice to Doctors & Hospitals only contact (44) 207 6359191

R.O.W. - Contact Regional Office

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LIMITATIONS

Do not Freeze. "Head Space" in closed container will allow some skinning to occur. Remove skin before dispensing and use a strainer or filter as part of standard procedure.

	Min Peel Time	Max Peel Time	Hard Cure Time
5°C	+1 hour	Extended	48 hours
10°C	+1 hour	Extended	48 hours
15°C	+1 hour	Extended	48 hours
20°C	+1 hour	Extended	48 hours
25°C	+1 hour	Extended	48 hours
30°C	+1 hour	Extended	48 hours
40°C	+1 hour	Extended	48 hours

NOTE: Lack of air movement will extend dry times substantially. A textured or non-uniform substrate will also increase the minimum peel time. Maximum peel time will depend on a number of factors. Testing should be done for a particular application to determine if the coating meets the requirement.

Storage Temperature: 10°C to 26.6°C

Apply in good weather. Temperature of the surface to be coated must be at least 3°C above the dew point. For optimum application properties bring the material to 21-27°C, unless specifically instructed otherwise, prior to mixing and application. Unmixed material (in closed containers) should be maintained in protected storage in accordance with information given in the STORAGE Section of this data sheet. Technical and application data herein is for the purpose of establishing a general guideline of the coating application procedures. Test performance results were obtained in a controlled laboratory environment and International Paint makes no claim that the exhibited published test results, or any other tests, accurately represent results found in all field environments. As application, environmental and design factors can vary significantly, due care should be exercised in the selection, verification of performance and use of the coating.

UNIT SIZE	Unit Size	Vol	Pack
	5 US gal	5 US gal	5 US gal
For availability of other unit sizes consult International Paint			
UNIT SHIPPING WEIGHT (TYPICAL)	Unit Size	Unit Weight	
	5 US gal	49 lb	
STORAGE	Shelf Life	12 months at 25°C. Subject to re-inspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition.	

WORLDWIDE AVAILABILITY Consult International Paint.

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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