X International **Protective Coatings**



* See International Protective Coatings Definitions & Abbreviations

oduct Weight	1.38 kg/l (11.6 lb/	gal)		
DC	351 g/l (2.92 lb/g	UK - PG6/23(92), Appendix 3		
	3.14 lb/gal (377 g	/l) USA - EPA Method 24		
	DC	OC 351 g/l (2.92 lb/g 3.14 lb/gal (377 g		

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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.

Primed Surfaces

Interthane 870 should always be applied over a recommended anti-corrosive coating scheme. The primer surface should be dry and free from all contamination, and Interthane 870 must be applied within the overcoating intervals specified (consult the relevant product data sheet).

Areas of breakdown, damage etc., should be prepared to the specified standard (e.g. $Sa2\frac{1}{2}$ (ISO 8501-1:1988) or SSPC SP6, Abrasive Blasting, or SSPC SP11, Power Tool Cleaning) and patch primed prior to the application of Interthane 870.

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.				. Always mix a nce the unit has g pot life specified.
		 Agitate Base (Part A) with a power agitator. Combine entire contents of Curing Agent (Part B) with Base (Part A) and mix thoroughly with power agitator. 				
	Mix Ratio	7 parts : 1 part by volume				
	Working Pot Life	5°C (41°F) 7 hours	15°C (3½ h	59°F) 25° ours 2	C (77°F) hours	40°C (104°F) 45 minutes
	Airless Spray	Recommended	-	Tip range 0. Total outpu less than 15	.43-0.58 mm t fluid press 5 kg/cm² (2	(17-23 thou) ure at spray tip not ,200 p.s.i.)
	Air Spray (Pressure Pot)	Recommended		Gun Air Cap Fluid Tip	DeVilbiss N 704 or 765 E	IBC or JGA
	Air spray (Conventional)	Suitable		Use suitable	proprietary	equipment.
	Brush	Suitable		Typically 50 achieved	-75 microns	(2-3 mils) can be
	Roller	Suitable		Typically 50 achieved	-75 microns	(2-3 mils) can be
	Thinner	International G (or GTA056)	TA713	Do not thin environmen	more than a tal legislatio	allowed by local on.
	Cleaner	International GTA713 (or GTA056)				
	Work Stoppages	Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with International GTA713. 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 GTA71 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 mate	erials a vith ap	nd empty com propriate reg	ntainers sho gional regula	uld be disposed of ations/legislation.

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Product Characteristics	Level of sheen and surface fin a mixture of application meth	ish is dependent on application method. Avoid using ods whenever possible.				
	Maximum film build in one coat is best attained by airless spray. When applying by methods other than airless spray, the required film build is unlikely to be achieved. Application by air spray may require a multiple cross spray pattern to attain maximum film build. Low or high temperatures may require specific application techniques to achieve maximum film build.					
	If application in one coat using brush and roller is desired then the undercoat shade should be chosen to match the final coat shades. Dark coloured and MIO undercoats will typically require 2 coats of Interthane 870.					
	When applying Interthane 870 multiple coats to achieve the t	0 by brush or roller, it may be necessary to apply total specified system dry film thickness.				
	Applicators should be aware that the ability to apply Interthane 870 in one coat will be affected by the temperature of the substrate. At higher steel temperatures, lower film builds and thinner coats are likely to be achieved.					
	This product must only be thinned using the recommended International thinners. The use of alternative thinners, particularly those containing alcohols, can severely inhibit the curing mechanism of the coating.					
	Do not apply at steel temperatures below 5°C (41°F).					
	When applying Interthane 870 in confined spaces ensure adequate ventilation.					
	When overcoating after weathering, or ageing, ensure the coating is fully cleaned to remove all surface contamination such as oil, grease, salt crystals and traffic fumes, before application of a further coat of Interthane 870. Condensation occurring during or immediately after application may result in a matt finish and an inferior film.					
	Premature exposure to ponding water will cause colour change, especially in dark colours and at low temperatures.					
	Absolute measured adhesion of topcoats to aged Interthane 870 is less than that to fresh material, however, it is adequate for the specified end use.					
	This product is not recommen chemical or solvent splashing Coatings for information rega	nded for use in immersion conditions. When severe is likely to occur contact International Protective rding suitability.				
Systems	The following primers/interm	nediates are recommended for Interthane 870:				
Compatibility	Intercure 200 Intercure 200 HS Intercure 420 Intercure 420 HS Intergard 251 Intergard 270 Intergard 401 Intergard 475 HS	Interplus 256 Interplus 356 Interplus 770 Interseal 670 HS Interzinc 42 Interzinc 52 Interzinc 52 HS Interzinc 315 Interzone 505 Interzone 954				
	Interthane 870 is designed to be topcoated with itself.					

For other suitable primers/intermediates, consult International Protective Coatings.

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4	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 t	hese 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.				
		Warning: Contains is	ocyanate. Wear air-fed hood for spray application.			
	Pack Size	20 litre unit	Interthane 870 Base 17.5 litres in a 20 litre container Interthane 870 Curing Agent 2.5 litres in a 3.7 litre container			
		5 gallon unit	Interthane 870 Base 4.375 gallons in a 5 gallon container Interthane 870 Curing Agent 0.625 gallons in a 1 gallon container			
		For availability of o	other pack sizes contact International Protective Coatings			
	Shipping Weight	U.N. Shipping No. 1263				
		20 litre unit	27 kg (59.5 lb) Base (Part A) 3.1 kg (6.8 lb) Curing Agent (Part B)			
		5 gallon unit	25 kg (55.1 lb) Base (Part A) 2.9 kg (6.4 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 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: 22/09/99

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Worldwide Availability						
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