Intersleek® 970

Fluoropolymer Foul Release

PRODUCT DESCRIPTION

A three pack patented fluoropolymer foul release coating with no added biocides.

INTENDED USES

As the finish coat for the Intersleek 900 foul release system.

Ideal for use in the Offshore Oil & Gas, Power Plant and Water Treatment markets where the build-up of biofouling is an issue. Intersleek 970's surface effect is particularly suitable for inhibiting the build-up of biofouling on static structures such as power station water inlets and FPSO seachests, considerably reducing biofouling removal costs.

Being biocide-free, Intersleek 970 can be used in areas where conventional biocidal anti-foulings are not permitted.

Intersleek 970 can be used in both maintenance and repair and new construction projects.

PRACTICAL INFORMATION FOR INTERSLEEK 970

Colour	White, Blue, Red, Grey, Black
Gloss Level	Gloss
Volume Solids	74% ± 2%
Typical Thickness	150 microns (6 mils) dry equivalent to 203 microns (8.1 mils) wet
Theoretical Coverage	4.93 m²/litre at 150 microns d.f.t and stated volume solids 198 sq.ft/US gallon at 6 mils d.f.t and stated volume solids
Practical Coverage	Allow appropriate loss factors
Method of Application	Airless Spray, Brush, Roller

Drying Time

			Overcoating interval with self	
Temperature	**Touch Dry**	**Hard Dry**	*Minimum*	*Maximum*
5°C (41°F)	6 hours	13 hours	14 hours	Extended[1]
15°C (59°F)	4 hours	9 hours	10 hours	Extended[1]
25°C (77°F)	3 hours	6 hours	6 hours	Extended[1]
40°C (104°F)	1.5 hours	5 hours	2 hours	Extended[1]

[1] See International Protective Coatings Definitions and Abbreviations

REGULATORY DATA

Flash Point (Typical)	Part A 38°C (100°F); Part B 24°C (75°F); Part C 32°C (90°F); Mixed 32°C (90°F)	
Product Weight	1.06 kg/l (8.8 lb/gal)	
VOC	2.06 lb/gal (248 g/lt) 241 g/kg	EPA Method 24 EU Solvent Emissions Directive (Council Directive 1999/13/EC)

See Product Characteristics section for further details

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.

Steel Substrates

Intersleek 970 should always be applied over a recommended anti-corrosive coating scheme which has been overcoated with Intersleek 737 tie coat (Intersleek 731 tie coat in North America). The primer surface should be dry and free from all contamination, and Intersleek 970 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.Sa2½ (ISO 8501-1:2007) or SSPC-SP10, Abrasive Blasting, or SSPC-SP11, Power Tool Cleaning) and patch primed with the full anti-corrosive coating scheme and tie coat prior to the application of Intersleek 970.

APPLICATION

Mixing

Material is supplied in three 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) Agitate Curing Agent (Part B) with a power agitator.
(3) Combine entire contents of Base (Part A), Curing Agent (Part B) and Part C and mix thoroughly with a power agitator.

Mix Ratio

9 part(s) : 2 part(s) : 1 part(s) by volume

Working Pot Life

0°C (32°F)	15°C (59°F)	25°C (77°F)	40°C (104°F)
	1.5 hours	60 minutes	20 minutes

Airless Spray

Recommended

Tip Range 0.38-0.53 mm (15-21 thou)
Total output fluid pressure at spray tip not less than 211 kg/cm² (3000 p.s.i.)

Air Spray (Conventional)

Not recommended

Brush

Suitable - Small touch-up areas only

Roller

Suitable - Small touch-up areas only

Thinner

Not normally required. If necessary, use International GTA007. Do not thin more than allowed by local environmental legislation

Cleaner

International GTA007 or International GTA822

Work Stoppages

Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with International GTA007. 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 GTA007. 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.

PRODUCT CHARACTERISTICS

This product is fluoropolymer based and as such can cause problems with the surface finish and subsequent adhesion of other coatings if contaminated with Intersleek 970. Good housekeeping practices are essential and care should be taken to avoid overspray onto conventionally coated areas. **All** equipment must be thoroughly cleaned prior to use, and before re-use with other materials, to prevent contamination.

Any liquids used to clean up Intersleek must not be allowed to contaminate other liquid paints or coated surfaces.

Intersleek 970 has a short pot life. It is important to minimise all delays and mix only sufficient material at one time to maintain the spray operation, in order to prevent the possibility of the material curing in the spray apparatus.

A minimum relative humidity of 30% is required to ensure satisfactory curing. Longer cure times will result if the relative humidity falls below 30%.

Minimum acceptable substrate temperature at the time of application is 0°C (32°F).

The temperature of the surface to be coated must be at least 3°C (5°F) above the dew point. For optimum application properties bring the material to 21-27°C (70-80°F), unless specifically instructed otherwise, prior to mixing and application.

When applying Intersleek 970 by brush or roller, it may be necessary to apply multiple coats to achieve the required film build.

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.

Over-application of Intersleek 970 will extend both the minimum overcoating periods and handling times, and may be detrimental to long term overcoating properties.

In common with all elastomers the surface finish produced provides a relatively soft, rubbery finish which is resistant to direct impact but can be damaged by mechanical means such as gouging, scratching and scraping. When handling steelwork coated with Intersleek 970 it is recommended that chains are not used and lifting is conducted by means of nylon slings.

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.

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.

SYSTEMS COMPATIBILITY

Intersleek 970 forms part of the Intersleek 900 foul release system. As such, Intersleek 970 must always be applied over an approved epoxy anti-corrosive scheme which has been overcoated with Intersleek 737 tie coat (Intersleek 731 tie coat in North America).

Approved anti corrosive schemes are:

Intershield 300
Intergard 264 (in North America).

Intersleek 970 should only be topcoated with itself, and should never be overcoated with another product.

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		Part C	
		Vol	Pack	Vol	Pack	Vol	Pack
	10 litre	7.5 litre	10 litre	1.67 litre	2.5 litre	0.83 litre	1 litre
	For availability of other pack sizes, contact International Protective Coatings.						
SHIPPING WEIGHT (TYPICAL)	Unit Size						
	10 litre	12.1 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

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