Interthane® 976

Polyurethane

PRODUCT DESCRIPTION

A two component, fast drying, acrylic polyurethane clear finish giving excellent durability and long term recoatability.

INTENDED USES

Suitable for use both in new construction and as a maintenance finish which can be used in a wide variety of environments including offshore structures, petrochemicals plants, bridges and in the power industry. Also used for OEM finishes, like pump, motor cases, etc.

PRACTICAL INFORMATION FOR INTERTHANE 976

Colour	Colourless
Gloss Level	Gloss
Volume Solids	40%
Typical Thickness	15-30 microns (0.6-1.2 mils) dry equivalent to 38-75 microns (1.5-3 mils) wet
Theoretical Coverage	16 m²/litre at 25 microns d.f.t and stated volume solids 642 sq.ft/US gallon at 1 mils d.f.t and stated volume solids
Practical Coverage	Allow appropriate loss factors
Method of Application	Air spray, Brush, Roller

Drying Time

			Overcoating Interval with recommended topcoats	
Temperature	**Touch Dry**	**Hard Dry**	*Minimum*	*Maximum*
15°C (59°F)	7 hours	20 hours	24 hours	Extended[1]
25°C (77°F)	4 hours	14 hours	16 hours	Extended[1]
40°C (104°F)	3 hours	10 hours	12 hours	Extended[1]

[1] See International Protective Coatings Definitions and Abbreviations

REGULATORY DATA

Flash Point (Typical)	Part A 34°C (93°F); Part B 49°C (120°F); Mixed 36°C (97°F)
Product Weight	0.97 kg/l (8.1 lb/gal)
VOC	4.37 lb/gal (524 g/lt) EPA Method 24

See Product Characteristics section for further details

SURFACE PREPARATION

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

Steel Substrates

Interthane 976 should always be applied over a recommended anti-corrosive coating scheme. The primer surface should be dry and free from all contamination and Interthane 976 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 prior to the application of Interthane 976.

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

15°C (59°F)	25°C (77°F)	40°C (104°F)
3 hours	2 hours	1 hour

Airless Spray	Not recommended	
Air Spray (Conventional)	Recommended	Use suitable proprietary equipment
Brush	Recommended	Typically 15-30 microns (0.6-1.2 mils) can be achieved
Roller	Recommended	Typically 15-30 microns (0.6-1.2 mils) can be achieved
Thinner	International GTA713	Do not thin more than allowed by local environmental legislation.
Cleaner	International GTA713	

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 GTA713. 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

Level of sheen and surface finish are dependent on application method. Avoid using a mixture of application methods whenever possible. Best results in terms of gloss and appearance will always be obtained by conventional air spray application.

This product must only be thinned using the recommended International thinners. The use of alternative thinners, particularly those containing alcohols, can severely affect the curing mechanism of the coating.

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 976.

When applying Interthane 976 in confined spaces ensure adequate ventilation.

In line with good painting practice, application should not take place in conditions which are deteriorating, e.g. dew point is falling or there is a risk of condensation forming. Condensation occurring during or immediately after application may result in a matt finish and an inferior film.

When applying Interthane 976 in confined spaces ensure adequate ventilation.

Absolute measured adhesion of topcoats to aged Interthane 976 is less than that to fresh material, however, it is adequate for the specified end use.

This product is not recommended for use in immersion conditions. When severe chemical or solvent splashing is likely to occur contact International Protective Coatings for information regarding suitability.

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

Interthane 976 can be applied directly over the following approved products:

Interthane 870
Interthane 990

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
	20 litre	16 litre	20 litre	4 litre	5 litre
	For availability of other pack sizes, contact International Protective Coatings.				
SHIPPING WEIGHT (TYPICAL)	Unit Size	Part A		Part B	
	20 litre	16.93 kg		4.58 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