

Interthane 989

Polyurethane Finish

PRODUCT DESCRIPTION A two-pack polyurethane cosmetic finish which has:
 High Gloss.
 Outstanding resistance to severe weathering.
 Surface tolerance.
 Good abrasion, chemical and solvent resistance.
 Good overcoating ability after extended periods.

INTENDED USES As a cosmetic finish for above water areas.

PRODUCT INFORMATION	Colour	CCB000-White, CCK724-Storm Gray, CCL274-Red, CCY999-Black ; and a wide range of colours
	Finish/Sheen	High gloss (ISO 2813 : 1978)
	Converter/Curing Agent	CCA315
	Volume Solids	57% ±3% (ISO 3233:1998)
	Mix Ratio	5.00 volumes Part A to 1 volume Part B
	Typical Film Thickness	50 microns dry (88 microns wet)
	Theoretical Coverage	11.40 (m ² /lt) at 50 microns dft, allow appropriate loss factors
	Method of Application	Airless Spray, Brush, Conventional Spray, Roller
	Flash Point	Part A 39°C; Part B 33°C; Mixed 33°C
	Induction Period	None required

Drying Information

	-5°C	5°C	23°C	35°C
Touch Dry (ISO 1517:73)	3hrs	1hrs	30mins	20mins
Hard Dry (ISO 9117:90)	24hrs	16hrs	10hrs	6hrs
Pot Life	10hrs	8hrs	4hrs	2hrs

Overcoating Information

	Substrate Temperature							
	-5°C		5°C		23°C		35°C	
Overcoated by	Min	Max	Min	Max	Min	Max	Min	Max
Interthane 989	24hrs	ext	16hrs	ext	10hrs	ext	6hrs	ext

REGULATORY DATA VOC 419 g/lt as supplied (EPA Method 24)

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SYSTEMS AND COMPATIBILITY

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

SURFACE PREPARATION

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 detrimental foreign matter in accordance with SSPC-SP1 solvent cleaning.

NEWBUILDING/MAJOR REFURBISHMENT

Interthane 989 should always be applied over a recommended primer coating scheme. The primer surface should be dry and free from all contamination, and Interthane 989 must be applied within the overcoating intervals specified (consult the relevant product data sheet).

REPAIR

Repair corroded areas with the specified anticorrosive system (consult the relevant primer data sheet).

The total area should be dry and free of all contamination (oil, grease, salt, etc.) and overcoated with Interthane 989. When a patch primer is used Interthane 989 must be applied within the overcoating intervals specified for the primer.

Consult your International Representative for specific recommendations.

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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.
- Thinner** Not recommended. Use International GTA713 only in exceptional circumstances (max 5% by volume). DO NOT thin more than allowed by local environmental legislation.
- Airless Spray** Recommended.
- Tip range 0.46 - 0.53mm (18-21 thou)
- Total output fluid pressure at spray tip not less than 176 kg/cm² (2500 p.s.i.)
- Conventional Spray** Suitable.
Use suitable proprietary equipment. Thinning may be required.
- Brush** Application by brush is recommended for small areas only. Multiple coats may be required to achieve specified film thickness.
- Roller** Application by roller is recommended for small areas only. Multiple coats may be required to achieve specified film thickness. Thinning may be required.
- Cleaner** International GTA713
- Work Stoppages and Cleanup** 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 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. Do not exceed pot life limitations. 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) 171 6359191

R.O.W. - Contact Regional Office (see page 4 of Data Sheet)

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LIMITATIONS

Not suitable for use on boottop areas.

This product may be applied directly over most generic types of paint that have been aged for at least 3 months. It is advisable, however that a small trial be carried out before applying a full coat.

Accurate film thickness control is essential, particularly when overcoating existing systems. 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.

Apply in good weather, 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. 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 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	20 LITRE UNIT: Interthane 989, Part A, 16.7 litres in a 20 litre container and Part B, 3.3 litres in a 5 litre container. <i>For availability of other unit sizes consult International.</i>
UNIT SHIPPING WEIGHT	20 litre unit: 26.97 kg
UN SHIPPING NO:	1263
STORAGE Store in cool dry conditions	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.

WORLDWIDE AVAILABILITY Consult International.

DISCLAIMER

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 his own risk. All advice we give 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 law) any loss or damage arising out of the use of the product. All products supplied and technical advice given are subject to our standard terms and 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 that this data sheet is current prior to using the product. It is the user's responsibility to check with his local International representative that this data sheet is current prior to using the product.

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Regional Addresses

Head Office	European Region	Asia Region	Australasia Region	North American Region	South American Region
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