Interfine 878

Polysiloxane Finish

PRODUCT DESCRIPTION

A patented high performance, high volume solids content acrylic polysiloxane cosmetic finish providing excellent long term durability. Interfine 878 significantly improves upon the gloss and colour retention exhibited by typical polyurethane finishes.

INTENDED USES

As a cosmetic finish on above water areas.
For use at Newbuilding and Major Refurbishment.

PRODUCT INFORMATION

Colour	SZB000-White; and a range of colours
Finish/Sheen	Gloss
Part B (Curing Agent)	SZA056 (use SZA076 in EMEA)
Volume Solids	72% (ISO 3233:1998)
Mix Ratio	5 volume(s) Part A to 1 volume(s) Part B
Typical Film Thickness	75 microns dry (104 microns wet)
Theoretical Coverage	9.6 m²/litre at 75 microns dft, allow appropriate loss factors
Method of Application	Air Spray, Airless Spray, Brush, Roller
Flash Point (Typical)	Part A 34°C; Part B 55°C; Mixed 35°C

Drying Information	5°C	10°C	25°C	35°C
Touch Dry [ISO 9117/3:2010]	6 hrs	5 hrs	3 hrs	2 hrs
Hard Dry [ISO 9117-1:2009]	8 hrs	6.5 hrs	4 hrs	3 hrs
Pot Life	3.5 hrs	3 hrs	2 hrs	1.5 hrs

Overcoating Data - see limitations

	Substrate Temperature							
	5°C		10°C		25°C		35°C	
Overcoated By	Min	Max	Min	Max	Min	Max	Min	Max
Interfine 878	8 hrs	ext	6.5 hrs	ext	4 hrs	ext	3 hrs	ext

REGULATORY DATA

VOC

246 g/lt as supplied (EPA Method 24)
194 g/kg of liquid paint as supplied. EU Solvent Emissions Directive (Council Directive 1999/13/EC)
201 g/lt Chinese National Standard GB23985

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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CERTIFICATION

When used as part of an approved scheme, this material has the following certification:

- Fire Resistance - Marine Equipment Directive compliant
- Fire Resistance - Surface Spread of Flame (Exova Warringtonfire)
- Fire Resistance - Smoke & Toxicity (Exova Warringtonfire)

Consult your International Paint representative for details.

SYSTEMS AND COMPATIBILITY

Interfine 878 must be applied over a recommended primer system, which will vary depending upon the vessel area. Direct application is acceptable over the following marine anticorrosives:

Intershield 300
Intergard 787
Intergard 343

A tie coat of Intertuf 262/Intergard 282 or Intergard 269 may be required if Interfine 878 is to be applied over other epoxy primers.

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.

NEWBUILDING/MAJOR REFURBISHMENT
Interfine 878 should always be applied over a recommended primer coating scheme. The primer surface should be dry and free from all contamination, and Interfine 878 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 (eg. Sa2½ (ISO 8501-1:2007)) and primed prior to the application of Interfine 878.

REPAIR/OBM
Interfine 878 should always be applied over a recommended primer coating scheme. The primer surface should be dry and free from all contamination, and Interfine 878 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 (eg. Sa2½ (ISO 8501-1:2007)) and primed prior to the application of Interfine 878.
Interfine 878 may be applied directly over aged Interfine 878 or Interfine 979 following thorough fresh water washing and degreasing provided the coating to be overcoated is in an intact and tightly adherent condition. Loose or flaking coatings should be removed back to a firm edge and Interfine 878 or an appropriate primer should be used to repair the area before application of the full coat.

Consult your International Paint representative for specific recommendations.

NOTE:
For use in Marine situations in North America, the following surface preparation standards can be used: SSPC-SP10 in place of Sa2½ (ISO 8501-1:2007)

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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 power agitator. (2) Combine entire contents of Curing Agent (Part B) with Base (Part A) and mix thoroughly with power agitator. After mixing Part A and Part B a slight exotherm may be noted, which is typical of this product, and is a result of chemical reaction.
Thinner	International GTA007. Thinning is not normally required. Consult the local representative for advice during application in extreme conditions. Do not thin more than allowed by local environmental legislation.
Airless Spray	Recommended Tip Range 0.28-0.43 mm (11-17 thou) Total output fluid pressure at spray tip not less than 155 kg/cm² (2200 p.s.i.)
Conventional Spray	Recommended. Gun DeVilbiss MCB or JGA Air Cap 704 or 765 Fluid Tip E
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.
Cleaner	International GTA007. Choice of cleaner maybe subject to local legislation. Please consult your local representative for specific advice.
Work Stoppages and Cleanup	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 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. 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) 207 6359191
China – Contact (86) 532 83889090
R.O.W. - Contact Regional Office

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LIMITATIONS

Overcoating information is given for guidance only and is subject to regional variation depending upon local climate and environmental conditions. Consult your local International Paint representative for specific recommendations. The relative humidity should be between 40% and 85% for optimum cure of Interfine 878. Cure times may vary outside these parameters.
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.
In the overcoating data section 'ext' = extended overcoating period. Please refer to our Marine Painting Guide - Definitions and Abbreviations available on our website.

UNIT SIZE

Unit Size	Part A		Part B	
	Vol	Pack	Vol	Pack
20 lt	16.67 lt	20 lt	3.33 lt	5 lt
5 US gal	4.17 US gal	5 US gal	0.83 US gal	1 US gal

For availability of other unit sizes consult International Paint

UNIT SHIPPING WEIGHT (TYPICAL)

Unit Size	Unit Weight
20 lt	29.1 Kg
5 US gal	62.4 lb

STORAGE

Shelf Life: Part A - 12 months minimum at 25°C. Subject to reinspection thereafter.
Part B - 6 months maximum at 25°C.
Store in dry, shaded conditions away from sources of heat and ignition.

WORLDWIDE AVAILABILITY

Consult International Paint.

IMPORTANT NOTE

www.international-marine.com