Intershield 851

Epoxy Non-Skid

PRODUCT DESCRIPTION

A high build, spray applied, two pack epoxy coarse texture non-skid finish. Hard wearing with good chemical resistance.

INTENDED USES

As a non-skid flight deck coating complying with DEF STAN 80-134 Type 2 - Coarse Texture. Can also be used on any other deck or walkway subject to heavy wear.

PRODUCT INFORMATION

Color	ADA172-Extra Dk Sea Grey
Finish/Sheen	Not applicable
Part B (Curing Agent)	ADA174
Volume Solids	77% ±2% (ISO 3233:1998)
Mix Ratio	5.42 volume(s) Part A to 1 volume(s) Part B
Typical Film Thickness	40 mils dry (52 mils wet)
Theoretical Coverage	31 ft²/US gal at 40 mils dft, allow appropriate loss factors
Method of Application	Conventional Spray, Roller
Flash Point	Part A 73°F; Part B 214°F; Mixed 106°F
Induction Period	Not required

Drying Information	50°F	59°F	77°F	95°F
Touch Dry [ISO 9117/3:2010]	8 hrs	7 hrs	5 hrs	2 hrs
Hard Dry [ISO 9117-1:2009]	36 hrs	30 hrs	16 hrs	12 hrs
Pot Life	8 hrs	7 hrs	6 hrs	4 hrs

Overcoating Data - see limitations

	Substrate Temperature							
	50°F		59°F		77°F		95°F	
Overcoated By	Min	Max	Min	Max	Min	Max	Min	Max
Intershield 851	36 hrs	ext	30 hrs	ext	16 hrs	ext	12 hrs	ext

REGULATORY DATA

VOC

111 g/kg of liquid paint as supplied. EU Solvent Emissions Directive (Council Directive 1999/13/EC)

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 color and normal manufacturing tolerances.

DEF STAN

Complies with DEF STAN 80-134 Type 2 - Coarse Texture.

SYSTEMS AND COMPATIBILITY

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

SURFACE PREPARATIONS

Use in accordance with the relevant Naval Engineering Standards and Drawings.
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

Intershield 851 should always be applied over a recommended primer coating scheme. The primer surface should be dry and free from all contamination, and Intershield 851 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 Intershield 851.

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 portions 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.
Thinner	Not recommended. Use International GTA220 only in exceptional circumstances (max 5% by volume). DO NOT thin more than allowed by local environmental legislation.
Airless Spray	Not suitable.
Conventional Spray	Recommended. Use 10 or 20 litre pressure pot equipped with 2 metres of 12-15mm internal diameter feed hose, gun nozzle size 10mm, or hopper gun for small areas.
Brush	Not suitable.
Roller	Application by roller is recommended for small areas only. Multiple coats may be required to achieve specified film thickness.
Cleaner	International GTA220
Work Stoppages and Cleanup	Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with International GTA220. 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 GTA220. 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 vapor 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
R.O.W. - Contact Regional Office

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LIMITATIONS

This product will not cure adequately below 41°F. For maximum performance ambient curing temperatures should be above 50°F.
In common with all epoxy based coatings Intershield 851 will exhibit chalking of the film on UV exposure. Rate of chalking will depend upon climatic conditions. Except in hot countries, chalking will be limited to a thin surface layer.

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. Apply in good weather. Temperature of the surface to be coated must be at least 5°F above the dew point. For optimum application properties bring the material to 70°F-81°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 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
10 lt	8.45 lt	10 lt	1.55 lt	2.5 lt

UNIT SHIPPING WEIGHT

Unit Size	Unit Weight
10 lt	23.32 Kg

STORAGE

Shelf Life: 12 months minimum at 77°F. Subject to re-inspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition.

WORLDWIDE AVAILABILITY

Consult International Paint.

IMPORTANT NOTE

www.international-marine.com