Intersleek 1100SR

Advanced Fluoropolymer Foul Release Coating

PRODUCT DESCRIPTION

Advanced fluoropolymer foul release coating for the control of slime.

INTENDED USES

For use at Newbuilding or Maintenance & Repair.

PRODUCT INFORMATION

Colour	FXA991-Grey, FXA992-Blue, FXA997-Red, FXA999-Black and a limited range of colours
Finish/Sheen	Gloss
Part B (Curing Agent)	FXA993 (Part B), FXA994 (Part C)
Volume Solids	72% ±2% (ISO 3233:1998)
Mix Ratio	9 volume(s) Part A to 2 volume(s) Part B to 1 volume(s) Part C
Typical Film Thickness	Range: 150 - 200 microns dry (208 - 278 microns wet) may be specified depending upon end use.
Theoretical Coverage	Range: 4.80 - 3.60 m²/litre at 150 - 200 microns dft, allow appropriate loss factors
Method of Application	Airless Spray, Brush
Flash Point (Typical)	Part A 46°C; Part B 22°C; Part C 36°C; Mixed 33°C
Induction Period	Not required

Drying Information	0°C	15°C	25°C	35°C
Touch Dry [ISO 9117/3:2010]	5 hrs	3 hrs	2 hrs	60 mins
Hard Dry [ISO 9117-1:2009]	15 hrs	6 hrs	4 hrs	2 hrs
Before Flooding	48 hrs	36 hrs	20 hrs	17 hrs
Pot Life	140 mins	90 mins	60 mins	30 mins

Note The interval prior to flooding may be reduced to 24 hours at temperatures between 5°C and 20°C provided that the ship remains at rest for a minimum period of 2-3 days after flooding. At temperatures between 0°C and 5°C, the absolute minimum time to flooding is 48 hours and the ship must remain at rest for a minimum of 4 days after undocking. However, the coating may suffer intercoat detachment in any areas that are subject to mechanical abrasion due to, eg. fendering or impact damage.

Overcoating Data - see limitations	**Substrate Temperature**							
	0°C		15°C		25°C		35°C	
Overcoated By	Min	Max	Min	Max	Min	Max	Min	Max

Note May be overcoated by self, either when fresh or after prolonged immersion provided surface is in good, clean condition. Consult International Paint.

REGULATORY DATA

VOC

240 g/lt as supplied (EPA Method 24)
238 g/kg of liquid paint as supplied. EU Solvent Emissions Directive (Council Directive 1999/13/EC)
252 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.

Coating hazard marker GB 30981.2-S-Pb≤1000-NC Qualified for GB 30981.2-2025

This product does not contain organotin compounds acting as biocides and as such is in compliance with the International Convention on the Control of Harmful Anti-fouling Systems on ships as adopted by IMO in October 2001 (IMO document AFS/CONF/26).

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CERTIFICATION

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

Product recognised by the following classification societies as compliant with the International Convention on the Control of Harmful Anti-fouling Systems on Ships, 2001 (AFS 2001):

- Bureau Veritas
- DNV
- Lloyds Register
- Korean Register of Shipping

Consult your International Paint representative for details.

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 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.

Intersleek 1100SR must always be applied over Intersleek tie coat within the required overcoating interval.

Consult International Paint for detailed application advice and recommendations.

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APPLICATION

Mixing	Material is supplied in 3 containers as a unit. Always mix a complete unit in the proportions supplied. (1) Agitate Part A with a power agitator (2) Combine entire contents of Part A and Part B and mix thoroughly with a power agitator. (3) Add entire contents of Part C and mix thoroughly with a power agitator. Carefully add Part C (under slow power-mixing) into the Part A / Part B mix. **These products are moisture sensitive and they should not be opened until just before they are needed.**
Thinner	Not recommended. Use International GTA007 only in exceptional circumstances. DO NOT thin more than allowed by local environmental legislation.
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.)
Conventional Spray	Application by conventional spray is not recommended.
Brush	Application by brush is recommended for touch up 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/GTA822
Work Stoppages and Cleanup	Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with International GTA007/GTA822. 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/GTA822. 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

Minimum acceptable substrate temperature at the time of application is 0°C. A minimum Relative Humidity of 30% is required to ensure satisfactory curing. Longer cure times will be required if the Relative Humidity falls below 30%. Care should be taken to avoid overspray onto other coated areas.
Intersleek 1100SR must be applied over Intersleek tie coat within the required overcoating interval.
All equipment must be thoroughly clean prior to use, and before re-use with other materials, to prevent contamination. Liquid cleaners for Intersleek 1100SR must not be allowed to contaminate other paints.
Precautions should be taken to prevent silicone contamination of adjacent areas.

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 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.

UNIT SIZE

Unit Size	Part A		Part B		Part C	
	Vol	Pack	Vol	Pack	Vol	Pack
10 lt	7.5 lt	10 lt	1.67 lt	2.5 lt	0.83 lt	1 lt
5 US gal	3.75 US gal	5 US gal	0.833 US gal	1 US gal	0.417 US gal	0.5 US gal

Part C is supplied in a polyethylene container
For availability of other unit sizes consult International Paint

UNIT SHIPPING WEIGHT (TYPICAL)

Unit Size	Unit Weight
10 lt	12.2 Kg
5 US gal	48.3 lb

STORAGE

Shelf Life: 12 months minimum at 25°C. Subject to re-inspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition.

WORLDWIDE AVAILABILITY

Consult International Paint.

IMPORTANT NOTE

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 their own risk. All advice given 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 the maximum extent permitted by law) any loss or damage arising out of the use of the product. We hereby disclaim any warranties or representations, express or implied, by operation of law or otherwise, including, without limitation, any implied warranty of merchantability or fitness for a particular purpose. All products supplied and technical advice given are subject to our 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 with their local representative that this data sheet is current prior to using the product.

This Technical Data Sheet is available on our website at www.international-marine.com or www.international-pc.com, and should be the same as this document. Should there be any discrepancies between this document and the version of the Technical Data Sheet that appears on the website, then the version on the website will take precedence.

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