Intersmooth 7476Si SPC

International

TBT Free, Low Friction, Self Polishing Copolymer A/F

PRODUCT DESCRIPTION

A high solids, high performance, TBT free, low friction, self polishing copolymer (SPC) antifouling. Based on patented Silyl Methacrylate polymer technology. Particularly suitable for use where solvent emissions need to be reduced.

INTENDED USES

Specifically designed for Deep Sea Vessels.
For use at Newbuilding or Maintenance & Repair.

PRODUCT INFORMATION

Colour	BEA634-Brown, BEA637-Red
Finish/Sheen	Not applicable
Volume Solids	56% ±2% (ISO 3233:1998)
Mix Ratio	Not applicable
Typical Film Thickness	Range: 75 - 170 microns dry (134 - 304 microns wet) may be specified depending upon end use.
Theoretical Coverage	Range: 7.47 - 3.29 m²/litre at 75 - 170 microns dft, allow appropriate loss factors
Method of Application	Airless Spray, Brush, Roller
Flash Point (Typical)	Single Pack 23°C

Drying Information	-5°C	5°C	25°C	35°C
Touch Dry [ISO 9117/3:2010]	2 hrs	90 mins	60 mins	30 mins
Before Flooding Single Coat	32 hrs	16 hrs	12 hrs	12 hrs
Before Flooding Multiple Coats	60 hrs	48 hrs	31 hrs	24 hrs

Note For Major Refurbishment and Repair if total dft is >250µm, the flooding times must be increased as follows:
72 hours at 5°C
47 hours at 25°C
36 hours at 35°C

For Newbuilding situations the single coat flooding time can be used for all schemes.

Overcoating Data - see limitations	**Substrate Temperature**							
	-5°C		5°C		25°C		35°C	
Overcoated By	Min	Max	Min	Max	Min	Max	Min	Max
Intersmooth 7476Si SPC	32 hrs	6 mths	24 hrs	6 mths	16 hrs	6 mths	16 hrs	6 mths
Intersmooth 7476Si SPC Other	24 hrs	6 mths	8 hrs	6 mths	5 hrs	6 mths	5 hrs	6 mths

Note When overcoating at Newbuilding, please refer to "Intersmooth 7476Si SPC Other" overcoating data.

REGULATORY DATA

VOC 378 g/lt as supplied (EPA Method 24)
194 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 colour and normal manufacturing tolerances.

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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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.

NEWBUILDING

Intersmooth 7476Si SPC should always be applied over a recommended primer coating scheme. The primer surface should be dry and free from all contamination, and Intersmooth 7476Si SPC 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 Intersmooth 7476Si SPC.

MAJOR REFURBISHMENT

Intersmooth 7476Si SPC should always be applied over a recommended primer coating scheme. The primer surface should be dry and free from all contamination, and Intersmooth 7476Si SPC 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. SSPC-SP10) and primed prior to the application of Intersmooth 7476Si SPC.

REPAIR

Application of Intersmooth 7476Si SPC over self:

Clean the entire area with close high pressure fresh water washing using a fan-jet lance held close to the surface (3,000 p.s.i., 211 kg/cm²) as soon as the vessel enters dock and before it dries out. Consult the recommended anticorrosive primer system and apply Intersmooth 7476Si SPC within the overcoatng interval specified for the primer (consult the relevant primer data sheets).

Application of Intersmooth 7476Si SPC over International Paint TBT-Free, International Paint Intersmooth SPC or competitors antifoulings:

Consult your International Paint representative for specific recommendations.

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APPLICATION

Mixing	This material is a one pack coating and should always be mixed thoroughly with a power agitator before application.
Thinner	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 0.54-0.8 mm (21-31 thou) Total output fluid pressure at spray tip not less than 190 kg/cm² (2700 p.s.i.)
Conventional Spray	Application by conventional spray is not recommended.
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
Work Stoppages and Cleanup	Thoroughly flush all equipment with GTA007. All unused material should be stored in tightly closed containers. Partially filled containers may show a viscosity increase of the material after storage. Material should be filtered prior to use.
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.

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

Coating lifetime is directly proportional to thickness applied. Performance of the product is dependent upon the specified film thickness being achieved.
On immersion, Intersmooth 7476Si SPC will exhibit a slight colour change.
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°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	Vol	Pack
20 lt	20 lt	20 lt

For availability of other unit sizes consult International Paint

UNIT SHIPPING WEIGHT (TYPICAL)

Unit Size	Unit Weight
20 lt	40.4 Kg

STORAGE

Shelf Life: 6 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.

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