

PRODUCT DESCRIPTION High performance, TBT free, self polishing copolymer (SPC) antifouling system with patented Copper Acrylate technology.

INTENDED USES Specifically designed for Deep Sea Vessels.
For use at Maintenance & Repair.

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|----------------------------|-------------------------------|--|
| PRODUCT INFORMATION | Colour | BEA461-Black, BEA462-Blue, BEA468-Dark Brown, BEA469-Dark Red |
| | Finish/Sheen | Not applicable |
| | Part B (Curing Agent) | Not applicable |
| | Volume Solids | 40% ±2% (ISO 3233:1998) |
| | Mix Ratio | Not applicable |
| | Typical Film Thickness | 125 microns dry (313 microns wet) |
| | Theoretical Coverage | 3.20 m ² /litre at 125 microns dft, allow appropriate loss factors |
| | Method of Application | Airless Spray, Brush, Roller |
| | Flash Point | Single Pack 22°C (Product produced and supplied in North America has a flashpoint of 21°C due to locally sourced solvents. There is no detrimental effect on product performance.) |
| | Induction Period | Not applicable |

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|-------------------------------------|--------|---------|---------|---------|
| Drying Information | -5°C | 5°C | 25°C | 35°C |
| Touch Dry [ISO 1517:73] | 2 hrs | 60 mins | 40 mins | 30 mins |
| Before Flooding 0-36 Month Schemes | 30 hrs | 20 hrs | 16 hrs | 10 hrs |
| Before Flooding 48-60 Month Schemes | | 48 hrs | 36 hrs | 24 hrs |

| | | | | | | | | |
|--|------------------------------|---------|--------|---------|--------|---------|-------|---------|
| 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 460 SPC 0-36 Month Schemes | 12 hrs | 28 days | 6 hrs | 28 days | 4 hrs | 28 days | 3 hrs | 28 days |
| Intersmooth 460 SPC 48-60 Month Schemes | - | - | 18 hrs | 28 days | 12 hrs | 28 days | 9 hrs | 28 days |

Note For 48-60 month schemes the times before flooding can revert to the times for 0-36 month schemes if:
 1) the antifouling scheme is less than 375µm dft in total or
 2) the vessel service speed is less than 15 knots
 3) for applications at -5°C only 2 coat schemes should be specified. It is not recommended that 3 or 4 coat schemes are applied at this temperature.
 Consult your International Paint representative for specific recommendations.

REGULATORY DATA **VOC** 533 g/lit as supplied (EPA Method 24)
345 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.

EPA USA Federal EPA Registration No. 2693-187
This product is not registered in Canada.
See Page 4 for additional Regulatory Data.

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).

CERTIFICATION

When used as part of an approved scheme, this material 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):

- Lloyd's Register
- Germanischer Lloyd
- Korean Register of Shipping
- Det Norske Veritas
- Bureau Veritas

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.

MAJOR REFURBISHMENT

Intersmooth 460 SPC should always be applied over a recommended primer coating scheme. The primer surface should be dry and free from all contamination, and Intersmooth 460 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 460 SPC.

REPAIR**Application of Intersmooth 460 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 International Paint for alternative methods of surface preparation.

Repair corroded areas with the recommended anticorrosive primer system and apply Intersmooth 460 SPC within the overcoating interval specified for the primer (consult relevant primer data sheets).

Application of Intersmooth 460 SPC over International Paint TBT-Free, International Paint Intersmooth SPC or competitors antifouling:

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)**

APPLICATION

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|-----------------------------------|---|
| Mixing | This material is a one pack coating and should always be mixed thoroughly with a power agitator before application. |
| Thinner | Not Recommended. Use International GTA007 only in exceptional circumstances (max 5% by volume). DO NOT thin more than allowed by local environmental legislation. |
| Airless Spray | Recommended Tip Range 0.46-0.66 mm (18-26 thou) Total output fluid pressure at spray tip not less than 190 kg/cm ² (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 International GTA007. All unused material should be stored in tightly closed containers. Partially filled containers may show surface skinning and/or 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. 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

R.O.W. - Contact Regional Office

LIMITATIONS

Coating lifetime is directly proportional to thickness applied. Performance of the product is dependent upon the specified film thickness being achieved.

The minimum Time Before Flooding and Overcoating Time is dependent upon film thickness and vessel speed. Please refer to the note in the Drying/Overcoating information section on Page 1 of this data sheet.

On immersion, Intersmooth 460 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 25-30°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.

ADDITIONAL REGULATORY DATA

Refer to container label for information concerning Precautionary Statements, Directions for Use and Storage and Disposal.

UNIT SIZE

| Unit Size | Vol | Pack |
|-----------|----------|----------|
| 20 lt | 20 lt | 20 lt |
| 5 US gal | 5 US gal | 5 US gal |

For availability of other unit sizes consult International Paint

UNIT SHIPPING WEIGHT

| Unit Size | Unit Weight |
|-----------|-------------|
| 20 lt | 33.14 Kg |
| 5 US gal | 69 lb |

STORAGE


Shelf Life 6 months minimum at all temperatures.
Subject to reinspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition.

WORLDWIDE AVAILABILITY

Consult International Paint.
BEA462-Blue is not available in the Netherlands
BEA471-Black is only available in China

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 International Paint representative that this data sheet is current prior to using the product.

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