

## Low Friction, Silyl Methacrylate Self Polishing Copolymer Antifouling

### Product Description

A high volume solids, high performance, low friction, self polishing copolymer (SPC) antifouling, based on Silyl Methacrylate technology.

Particularly suitable for use where reduced solvent emissions are required and specifically designed for deep sea vessels at Newbuilding or Maintenance & Repair.

### Key Features

Self polishing copolymer (SPC) antifouling based on Silyl Methacrylate technology providing a controlled and optimized polishing rate and continuous biocide release

Silyl methacrylate polymer reduces the potential for cracking of thick schemes compared to silyl acrylates

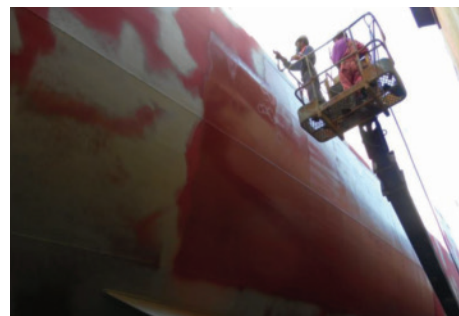
Less temperature dependence on the polishing rate compared to silyl acrylates

Reduced fast polishing towards end of scheme life compared to silyl acrylates

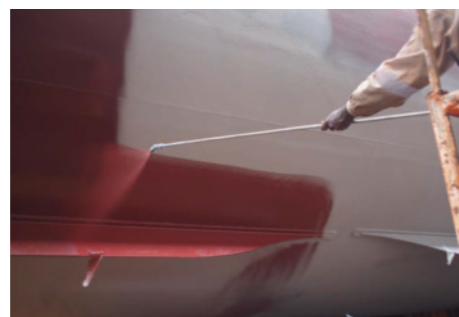
High volume solids (56%) & low VOC (378g/l) for faster application, reduced waste and less paint requirement

Up to 90 months schemes for flexibility in docking cycle

### Application Properties



Application to 21,000 DWT Ro-Ro vessel



Application to 18,000 DWT Container vessel  
Excellent application properties



Application to a 298,000 DWT VLCC  
Excellent application properties

### Product Information

<b>Colour</b>	BEA844 – Brown, BEA847 – Red
<b>Surface preparation</b>	Intersmooth® 7475Si SPC should always be applied over a recommended primer coating scheme
<b>Volume solids</b>	56% ± 2% (ISO 3233 : 1998)
<b>Typical film thickness</b>	125 microns dry (223 microns wet)
<b>Time to flooding</b>	10 hours at 25°C (Single coats) 16 hours (multiple coats)
<b>Method of application</b>	Airless spray, Brush, Roller

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### Controlled Polishing Rate

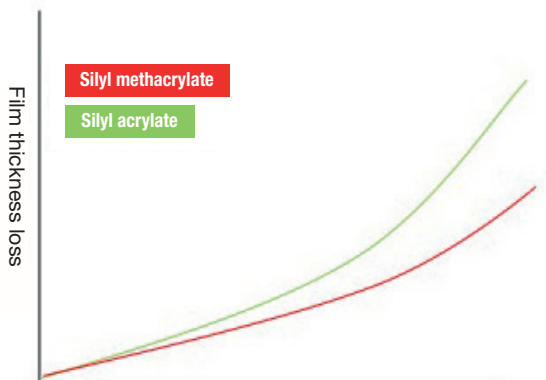


Chart showing polishing rate over time compared to a Silyl Acrylate. The Silyl Methacrylate polymer does not exhibit such rapid fast polishing towards end of scheme life compared to silyl acrylates. Delivering a more consistent polishing rate with reduced potential for early polish through before end the of scheme life.

### In-Service Performance

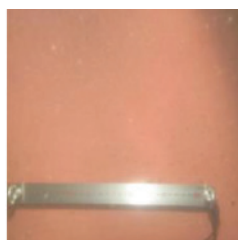
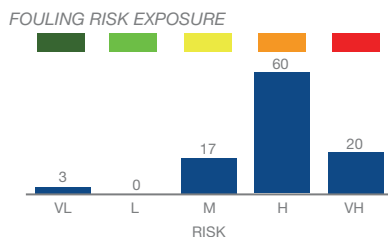


Performance on a 50,000 DWT Container after 13 months in service (dive inspection)  
78% activity > 3 knots trading China, Korea, South East Asia and Australia



Performance on a 39,000 DWT Chemical Tanker after 15 months in service (dive inspection)  
61% activity > 3 knots globally trading

### Intermooth® 7475Si SPC Performance case study



Performance on a 112,000 DWT Tanker after 20 months.  
Trading route and fouling risk exposure indicated via Intertrac.  
Excellent performance after trading 80% of time in high / very high fouling challenge locations.



Performance compared to silyl acrylate on a 166,000 DWT Tanker after 10 months (dive inspection)  
60% activity > 3 knots globally tradingggghg

For each of our products the relevant Product Data Sheet, Material Safety Data Sheet and package labelling comprise an integral information system about the product in question. Copies of our Product Data Sheets and Material Safety Data Sheets are available on request or from our website.

Unless otherwise agreed in writing, all products supplied and technical advice or recommendations given are subject to the Conditions of Sale of our supplying company and the provisions of the relevant product data sheet.

To find out more visit: [www.international-marine.com](http://www.international-marine.com)