

TBT Free, Low friction, Linear Polishing Polymer

Product Description

A high performance, low friction, linear polishing polymer (LPP) antifouling incorporating unique patented Lubyon® and 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

Linear polishing for predictable performance and to deliver controlled, consistent polishing and biocide release

A faster polishing rate compared to other Intercept products, combined with an optimized biocide package delivers highest performance fouling control for a biocidal system

Particularly suitable for high fouling challenge routes such as Arabian Gulf to South Asia

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

Product Information

Colour	LPP854 – Brown LPP857 - Red
Surface preparation	Intercept®8500 LPP should always be applied over a recommended primer coating scheme
Volume solids	56% +/-2% (ISO 3233:1998)
Typical film thickness	125 microns dry (223 microns wet)
VOC	378g/lit EPA Method 24
Method of application	Airless spray, Brush, Roller

To find out more visit: www.international-marine.com



Application Properties



Completed application to 233,592 DWT Bulker vessel



Completed application to 27,247 DWT P.C.C vessel

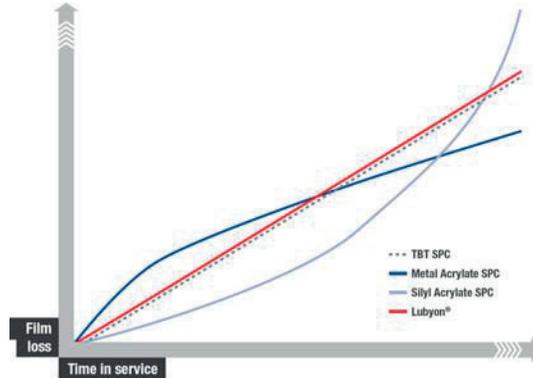


Application to a 20,000 DWT Container vessel

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Linear Polishing

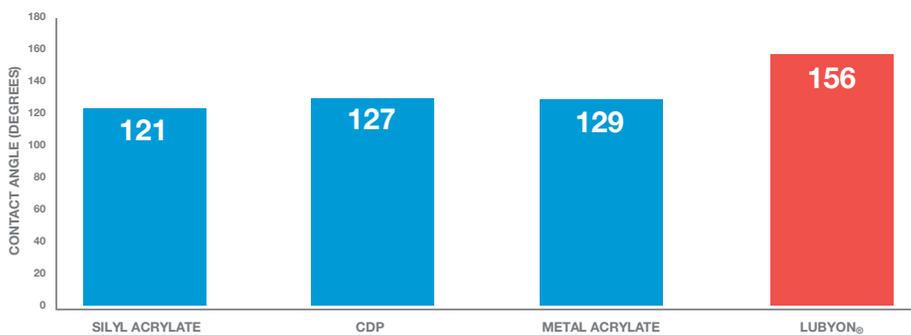
Unlike typical silyl and metal acrylate biocidal antifouling, Intercept® 8500 LPP replicates the linear polishing behavior of previous tributyltin based antifouling's. Typical silyl acrylate based products polish slowly initially, thereafter the rate of polishing steadily increases. Whereas typical metal acrylate systems polish fast initially before reaching a steady state.



Superhydrophilic Surface

The Lubyon® polymer creates a 'superhydrophilic' surface, meaning it's water loving, which creates a lubricating effect. This 'lubricious' effect results in a low friction, smooth and slippery surface on immersion, which is maintained throughout the lifetime of the coating.

AIR BUBBLE UNDERWATER CONTACT ANGLE (DEGREES)



A superhydrophilic surface will have an underwater contact angle with an air bubble >150°

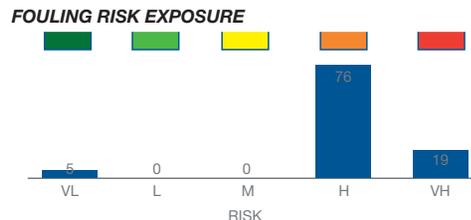
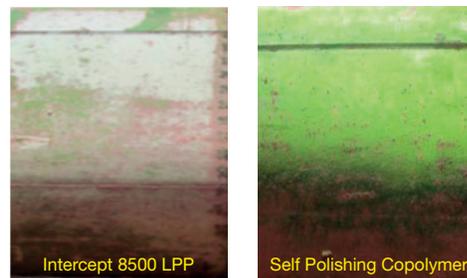
Intercept® 8500 LPP Performance case study



Performance on a 6,400 DWT Product Tanker after 21 months

Trading route and fouling risk exposure indicated via Intertrac

Excellent performance after trading 95% of time in high / very high fouling challenge location



In Service Performance



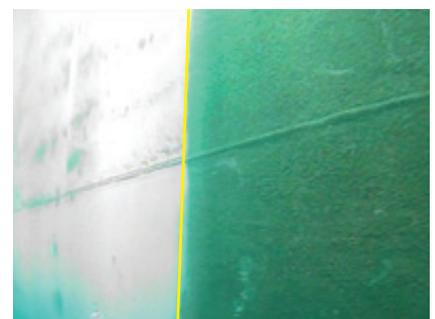
Performance on a 37,000 DWT Chemical Tanker after 30 months in service

Excellent performance compared to other high performance Self Polishing Copolymers
51% activity > 3 knots globally trading



Performance on a 301,000 DWT VLCC after 22 months in service

Excellent performance compared to a fast polishing coastal Self Polishing Copolymer
71% activity > 3 knots trading from Arabian gulf to South East Asia



Performance compared to silyl acrylate on a 301,000 DWT VLCC after 35 months (dive inspection) Intercept® 8500 LPP on the left hand side

71% activity above 3 knots globally trading

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

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