Clean hull solutions for all vessels

Antifouling coatings range

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AkzoNobel
Products to meet your operational requirements
We have supported the shipping industry with pioneering antifouling technology since the introduction of the first self-polishing copolymer (SPC) antifouling in 1974. Since then, our renowned range of antifoulings has continued to evolve, meeting the needs of our customers in an ever changing environment.

Maintaining a smooth, clean hull by controlling the growth of organisms and minimising drag is important in sustaining the operational efficiency of a vessel. Antifouling coatings inhibit fouling growth by releasing an active ingredient which prevents organisms from settling. These coatings play a key role in reducing the overall operational and commercial costs of a vessel. Fuel can represent as much as 50% of a ship’s total operating costs. If ships didn’t use antifouling coatings, fuel consumption, cost and carbon dioxide emissions could increase by as much as 40%*.

Additionally, high performance antifoulings deliver through-life benefits, including extended drydock intervals and reduced time in drydock, lower future maintenance costs and reduced greenhouse gas emissions through lower fuel consumption. Antifoulings can also minimise the potential for translocation of invasive marine species, an area of growing concern for regulatory bodies such as the International Maritime Organisation.


Delivering performance through innovation

We understand the diverse conditions under which antifouling products need to perform.

Our network of dedicated research and development laboratories in key locations worldwide work in conjunction with our customers and industry experts, including universities, raw material suppliers, class societies and regulatory bodies to assess these challenges and deliver new, innovative products and technologies to ensure our customers stay out in front.
**Product range**

*Our antifouling range features a number of technology types, each designed to meet our customers’ operational and performance expectations.*

The range includes a patented linear polishing polymer (LPP), high performance silyl methacrylate, silyl acrylate and copper acrylate self polishing copolymers (SPCs), controlled depletion polymers (CDPs), and standard performing self polishing copolymers – a combination of SPC and CDP technologies.

Through our product stewardship policy, this range has continuously evolved to increase the volume solids of our products, providing through life cost savings and the added benefits of faster application and reduced coats per scheme, low levels of overspray, less time in drydock and reduced VOC (volatile organic compound) emissions.

**Intercept® 8500 LPP**

Our highest performance antifouling, featuring a blend of silyl methacrylate SPC and patented Lubyon® polymer technology, with an optimized biocide package. Intercept 8500 LPP provides consistent, predictable linear polishing performance. Specifically designed for the deep sea market, it enables ship owners and operators to plan and budget effectively throughout the docking cycle, for in-service periods of up to 90 months.

Particularly suitable for high fouling challenge routes.

**Intersmooth® SPC**

Launched in 1974, the Intersmooth SPC brand has a strong track record on over 44,500 applications, and has continuously evolved to meet customer needs. Intersmooth SPC products are high performing antifoulings, suitable for use at newbuilding and maintenance and repair, and are available as follows:

**Intersmooth® 7475Si SPC**

Intersmooth 7475Si SPC is a high performance, low friction, SPC antifouling based on silyl methacrylate polymer technology. Designed for deep sea vessels at newbuilding and maintenance and repair, for in-service periods of up to 90 months. Intersmooth 7475Si SPC offers improved fouling control over copper acrylate and silyl acrylate counterparts.

**Intersmooth® 7465Si SPC**

Intersmooth 7465Si SPC is a high performance, low friction, SPC antifouling based on silyl acrylate polymer technology. Designed for deep sea vessels at newbuilding and maintenance and repair, for in-service periods of up to 90 months. Intersmooth 7465Si SPC offers similar fouling control to its copper acrylate counterpart.

**Intersmooth® 7000**

An economical choice in biocidal antifouling also featuring linear polishing. Intercept 7000 is derived from patented Lubyon® polymer technology and features all the attributes of a typical mid-range biocidal antifouling product, with the added benefit of linear polishing. It is specifically designed for deep sea vessels at newbuilding and maintenance and repair, for in-service periods of up to 60 months.
Vessels trading in coastal waters are often subjected to a significantly higher fouling challenge than encountered in deep sea.

**Intersmooth® 7460HS SPC**
for maintenance and repair and

**Intersmooth® 7465HS SPC**
for newbuilding, are high performance, low friction, SPC antifoulings based on patented copper acrylate polymer technology. They both offer similar fouling control over to their silyl acrylate counterpart. For in-service periods of up to 90 months

Thanks to its high volume solids, Intersmooth SPC can be applied quickly, with reduced wastage and pail consumption and less VOC emissions to the atmosphere**.

**Interswift®**
Interswift products are our standard performing self-polishing copolymer antifoulings, based on a blend of Intersmooth SPC and Interspeed technologies. The careful combination of these two technologies produces antifoulings which have the controlled depletion polymer benefits of surface tolerance, high volume solids and an attractive cost base, together with the SPC attributes of polishing rate control, reduced leached layer size and control of biocide release.

**Interswift® 6800HS**
Interswift 6800HS is a blend of copper acrylate SPC and rosin-based CDP technology, for in-service periods of up to 60 months.

**Interswift® 6600**
Interswift 6600 is a blend of copper acrylate SPC and rosin-based CDP technology for in-service periods of up to 60 months. Offering an economical version of Interswift technology.

**Interspeed®**
The Interspeed brand has a track record of over 33,000 applications and offers an economical choice in fouling control, using CDP technology.

**Interspeed® 6400/6200**
Interspeed 6400/6200 deliver fouling protection for up to 36 months**.

**Coastal Products**
Vessels trading in coastal waters are often subjected to a significantly higher fouling challenge than encountered in deep sea.

**Intersmooth® 7670 SPC**
Intersmooth 7670 SPC is a high performance, copper free, SPC antifouling based on patented copper acrylate polymer technology. Developed specifically to meet the severe fouling challenge of vessels trading in coastal waters. For in-service periods of up to 60 months.

**Intersmooth® 360 SPC**
for maintenance and repair and

**Intersmooth® 365 SPC**
for newbuilding, are high performance SPC antifouling based on copper acrylate polymer technology. Designed for vessel trading in coastal waters, for in-service periods of up to 36 months.

* Compared to Intersmooth 460/465 SPC.
** Due to regulations, equivalent products for North America are Interspeed 6400NA and Interspeed 6200NA.

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**Proven track record**

All ships are not the same. We recognise that ships operate under different conditions, trading routes, speeds and water temperatures, and that each can have a dramatic effect on the fouling challenge presented. With over 106,500 applications coated with our Intercept, Intersmooth SPC, Interswift and Interspeed brands, we provide a full range of products to suit the specific demands of your business, providing effective fouling control for up to 90++ months.

++ 90 months applies to vessels covered by the extended drydocking (EDD) programme, mainly container vessels, pure car carriers and general cargo ships.
A century of experience

Since the introduction of our first antifouling paint in 1881, we have continued to invest heavily in research and development to offer customers a choice of products to suit their individual operational, commercial and environmental requirements.

We take our environmental responsibilities seriously and were the first coatings company to voluntarily withdraw TBT (tributyltin) based antifoulings from our range, ahead of the IMO’s 2003 global ban. Our range continues to evolve with our environmental obligations at the forefront of our new product development.

Proven performance
Our Dataplan coating performance monitoring provides the marine industry’s most accurate record of coating application and performance for newbuildings and drydockings – adding value to customers engaged in planned, professional maintenance programmes, since 1977. All vessel data is verified against the Lloyd’s Register Fairplay International Shipping Database.

Worldwide support
Our global network of over 800 technical service representatives brings comprehensive advice to shipyards and vessel operators, ensuring that International products are applied to our exacting standards, for optimum in-service performance.

Predicting Performance
Intertrac Vision, advanced hull performance technology provides customers a guide to the best possible coatings selection for their fleets on a vessel-by-vessel basis. The most appropriate coating is selected based on an analysis of each vessel’s route, speed and location data, which provides an accurate assessment of the hull fouling risk the vessel faces. This bespoke approach delivers detailed information and analysis on actual predicted performance for each customer.
We have used Intersmooth® SPC self polishing copolymer antifouling products for many years on our vessels. These products have kept our vessels foul-free and we have the confidence that they will continue to perform for us... we are very pleased with the performance to date.

Mr. Dietmar Thiem,
Head of the Technical Department
Claus Peter Offen

The performance of the test patch of Intercept® 8500 LPP on the KMB 4 was excellent, considering the extreme fouling challenge encountered in the Gulf and low activity of this vessel. For future dockings on vessels with similar trading profile my preference would be to use Intercept 8500 LPP.

Mr. Sujith Menon
Technical Manager
Sea Light Shipping & Offshore Co.Inc., Noor Al Bahar Ship Charter LLC
International is the brand of AkzoNobel’s Marine and Protective Coatings business. AkzoNobel is a leading global paints and coatings company and a major producer of specialty chemicals.

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