

Antifouling coatings range

Clean hull solutions for all vessels

International Paint Ltd is part of AkzoNobel, the Netherlands based company serving customers throughout the world with coatings and chemicals.

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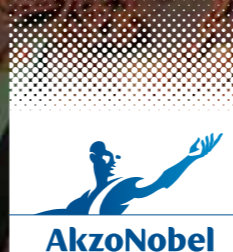


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Options for different operational requirements



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.

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.

* Source: World Shipping Council, 2008

Developing and delivering

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.



The range

Our antifouling range features a number of technology types – self polishing copolymers (SPCs), controlled depletion polymers (CDPs) and self polishing systems – a combination of SPC / CDP technology – each designed to meet our customers' performance expectations.

Performance can be predicted and assessed using our Dataplan satisfaction ratings. Derived from analysing the indocking condition of a vessel, its coating performance – the type, severity and extent of fouling – in conjunction with the trading pattern, operational profile and drydocking interval, an antifouling performance rating can be calculated.

Through our product stewardship policy, the range has also 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 emissions.



Intersmooth®7460/7465HS SPC***

Our highest performing antifouling product for deep sea vessels. Intersmooth®7460/7465HS SPC** is a true self polishing copolymer with high volume solids and low VOC. Utilising patented copper acrylate technology, the product provides fouling control for up to 60 months*.

With Dataplan satisfaction ratings of 90%, Intersmooth®7460/7465HS SPC represents the very latest generation of antifouling products building on the unrivalled success of the Intersmooth® SPC brand and a proven track record on over 15,000 vessels worldwide.

Intersmooth®360/365 SPC provides antifouling protection for coastal vessels.

Interswift®6800HS**

Evolved from Interswift® technology and offering an 80% Dataplan satisfaction rating, Interswift®6800HS is a blend of copper acrylate SPC technology and rosin based CDP technology, providing up to 60 months fouling control in service. The careful combination of these two technologies produces an antifouling which has the CDP benefits of surface tolerance,

high volume solids and an attractive cost base, together with the patented copper acrylate SPC attributes of polishing rate control, reduced leached layer size and control of biocide release.

Also available is Interswift®455FB, designed for the unique fouling challenge experienced on flat bottom areas.

Advanced Duplex System**

Especially designed for vessels that require a cost effective 60 month antifouling scheme that combines the high performance of Intersmooth® SPC and Interswift® systems, the Advanced Duplex System offers an 85% Dataplan satisfaction rating.

Interspeed®6400/6200**

Born from the success of the Interspeed® brand with a track record of over 11,000 applications, Interspeed®6400/6200† CDP antifouling provides owners with an economical choice for up to 36 months fouling control and 70% / 60% satisfaction ratings respectively.

† Due to regulations, the equivalent products for North America are Interspeed®6400NA and Interspeed®6200NA (for up to 24 month schemes).

* Consult International for additional schemes.

** For use at Newbuilding or Maintenance & Repair.

*** Intersmooth®7460HS SPC is suitable for use at maintenance and repair, Intersmooth®7465HS SPC for use at Newbuilding.

Proven success

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 28,000 vessels coated with our Intersmooth®, Interswift® and Interspeed® brands, our antifouling range provides options for all vessels and operational requirements, providing effective fouling control for up to 60* months.



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 or commercial requirements.

We take our environmental responsibilities seriously and were the first coatings company to voluntarily withdraw TBT (tributyltin) based antifouling 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 / owners, ensuring that International® products are applied to our exacting standards, for optimum in service performance.

