

# Intercept<sup>®</sup>

Our Highest Performing Biocidal Antifouling Coating

**International<sup>®</sup> is the brand of AkzoNobel's Marine and Protective Coatings business. AkzoNobel is a leading global paints and coatings company.**

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**Lead the way**

## LUBYON<sup>®</sup>

Lubyon<sup>®</sup> technology is a new polymer which is responsible for the production of a superhydrophilic coating surface, reducing drag and improving in-service performance.



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# Intercept®, a family of patented biocidal antifouling coatings, providing consistent, predictable linear polishing performance.

## How did we achieve this?

Intercept products feature unique patented Lubyon® polymer technology which replicates the linear polishing behaviour of the shipping industry benchmark tributyltin based antifouling, but without the environmental concerns of TBT antifouling. Specifically designed for the deep sea market, they enable ship owners and operators to plan and budget effectively throughout the docking cycle, for in-service periods of up to 90 months.

## What is Lubyon polymer technology?

The Lubyon polymer is 'superhydrophilic', meaning it is water loving. This creates a lubricating effect at the coating surface, resulting in a low friction, very smooth and slippery surface on immersion, which is then maintained throughout the lifetime of the coating. With surface friction reduced, it results in less drag with subsequent reduced fuel and emissions savings\*, compared to other antifouling coatings. Unique Lubyon technology reacts with seawater via a constant surface active zone, releasing the optimal amount of biocide constantly over the scheme life to prevent fouling settlement. This release rate is largely unaffected by seawater temperature.

Intercept® highlights our mission to introduce differentiated, market leading technologies that drive operational, cost and environmental efficiencies for our customers. Intercept® has taken over 10 years to perfect and its development is a result of our continued investment in innovation.

Through the combined expertise of our research scientists, hydrodynamicists and marine biologists, we believe this pioneering technology will revolutionise biocidal fouling control.



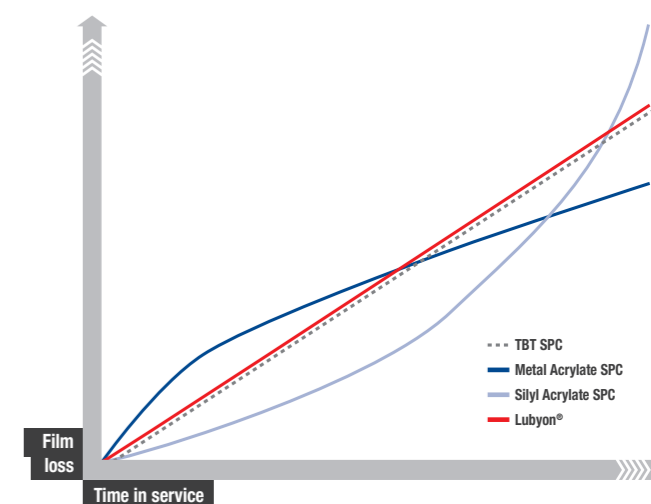
\* Fuel and emission savings are dependent upon product comparison and many other factors, a bespoke forecast can be developed from Intertrac Vision

# LUBYON®

With Lubyon® technology the polishing rate remains constant throughout the full scheme life.

Unlike typical silyl and metal acrylate biocidal antifouling, Intercept® products replicate the linear polishing behaviour of previous tributyltin based antifouling. 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.

Designed for use in both Newbuild and Maintenance & Repair, the Intercept® range offers a suite of products designed to meet customers differing performance expectations.



## Intercept® 8500 LPP

Intercept® 8500 LPP combines the outstanding qualities of our patented Lubyon technology with those of Silyl Methacrylate Self Polishing Copolymer and incorporates a premium biocide package. Together this means:

- Highest performing biocidal antifouling
- Faster polishing rate than our first generation of Lubyon products but maintains the Linear Polishing properties
- Excellent fouling control performance
- In-service periods of up to 90 months

This combination of polymer technologies, based upon years of experience and development, provides the basis for this performance improvement over existing products. As a result, Intercept 8500 LPP is a versatile antifouling that provides superior protection and predictable performance, whether in layup or the most challenging of environment.

The Lubyon polymer brings its unique Linear Polishing Polymer properties which ensure that the faster polishing rate is controlled in a consistent

manner throughout the in-service period of up to 90 months. It was launched in 2015 and already has a track record of over 300 vessel applications.

## Intercept® 7000

Intercept® 7000 is an economical product which also features Lubyon technology so that it gives all the attributes of a typical mid-range biocidal antifouling but with the added benefit of linear polishing. It was launched in 2013 and already has a track record of over 2000 vessel applications (in excess of 33 million DWT) and is designed for in-service periods of up to 60 months.

\*Intercept 8000 LPP EU for application within the European Union