

Olympic+ series®

Proven antifouling
with a long track record



Olympic antifouling range

Reliable antifouling with impressive value for money

Our Olympic antifouling range offers proven solutions for different trading patterns – all for a very low upfront investment and supported by Hempel’s world-class global service.

Initially launched in 2009, our Olympic antifouling coatings have been proven on more than 7,000 applications. The range has now been reformulated to deliver even higher performance, better control of the leached layer and exceptional mechanical strength. It also has higher volume solids, an increased dry film thickness per coat and lower VOCs – to reduce your costs, time and emissions during application.

With dedicated versions for each trading pattern, our Olympic series gives you proven fouling control over the entire docking interval for a very reasonable cost.

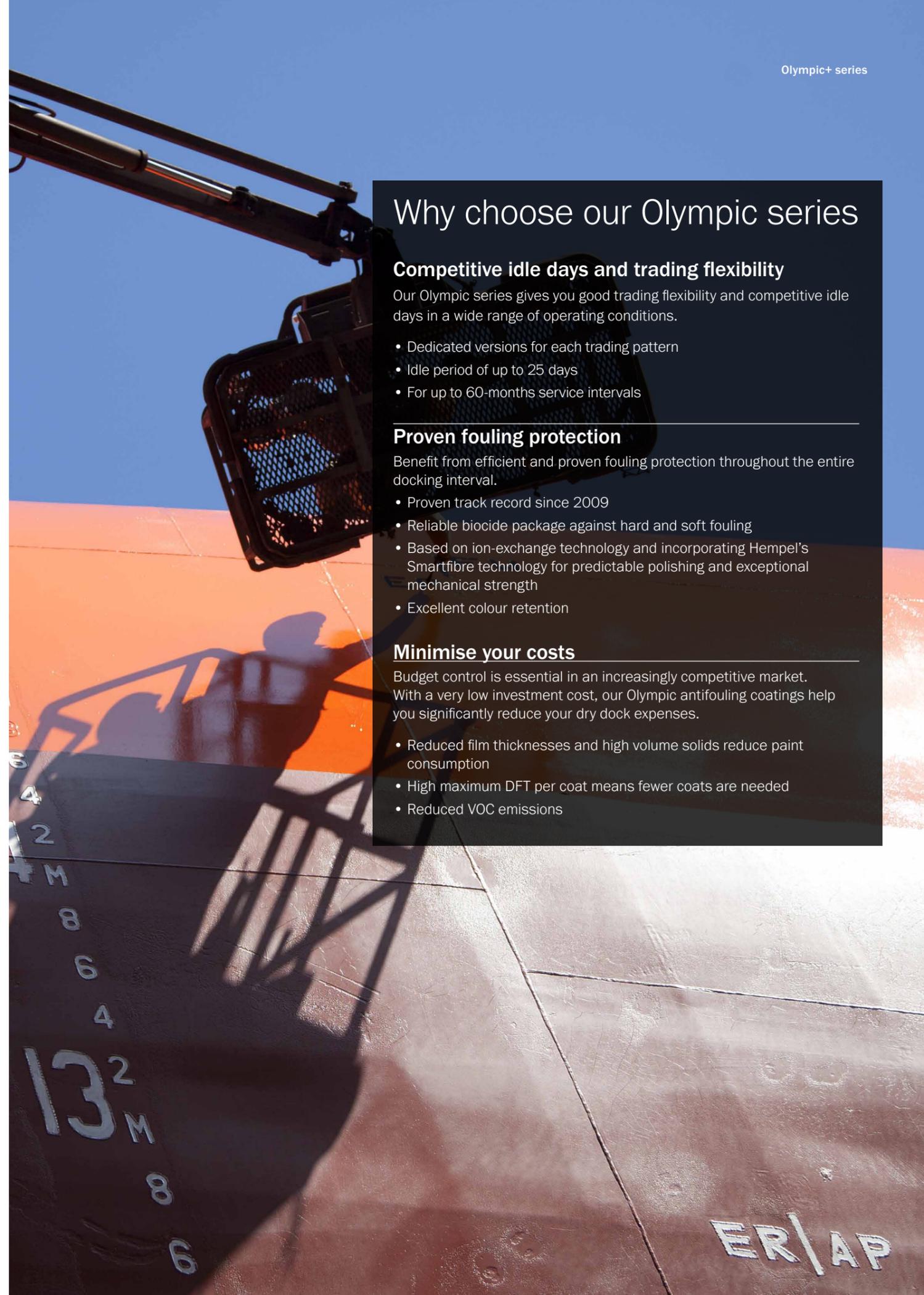
7,000+ applications since 2009

Up to 25 idle days

High volume solids

Hempel’s Olympic series at a glance

Product	Activity level	Speed	Water temperature	Service period	Segment	Maximum Idle Days	Volume Solids
Olympic Protect+	>60%	>9 knots	Medium to warm	60 months	Maintenance Newbuilding	23	64%
Olympic Flex+	<60%	<9 knots	Cold to medium	60 months	Maintenance Newbuilding	25	64%
Olympic Protect	>60%	>10 knots	Medium to warm	36 months	Maintenance Newbuilding	21	64%



Why choose our Olympic series

Competitive idle days and trading flexibility

Our Olympic series gives you good trading flexibility and competitive idle days in a wide range of operating conditions.

- Dedicated versions for each trading pattern
- Idle period of up to 25 days
- For up to 60-months service intervals

Proven fouling protection

Benefit from efficient and proven fouling protection throughout the entire docking interval.

- Proven track record since 2009
- Reliable biocide package against hard and soft fouling
- Based on ion-exchange technology and incorporating Hempel’s Smartfibre technology for predictable polishing and exceptional mechanical strength
- Excellent colour retention

Minimise your costs

Budget control is essential in an increasingly competitive market. With a very low investment cost, our Olympic antifouling coatings help you significantly reduce your dry dock expenses.

- Reduced film thicknesses and high volume solids reduce paint consumption
- High maximum DFT per coat means fewer coats are needed
- Reduced VOC emissions



Smartfibre technology reinvented

We've improved our Smartfibre technology to deliver a stronger, smoother hull throughout the entire service interval.

Fibres have been used in all our antifouling coatings for over 20 years. They provide exceptional coating film cohesion to ensure best-in-class mechanical strength throughout the coating's service life. Now, we've taken our technology one step further.

Our new Olympic series contains 20 per cent higher fibre content. By maintaining a level of cohesion that can't be achieved in non-fibre containing coatings, the increased

fibre content enabled the reformulation of the coating to improve its hydrophobic characteristics – and reduce the leached layer.

Additionally, fibres are evenly distributed parallel to the surface throughout the entire film thickness, enabling a uniform removal of the leached layer as the vessel sails.

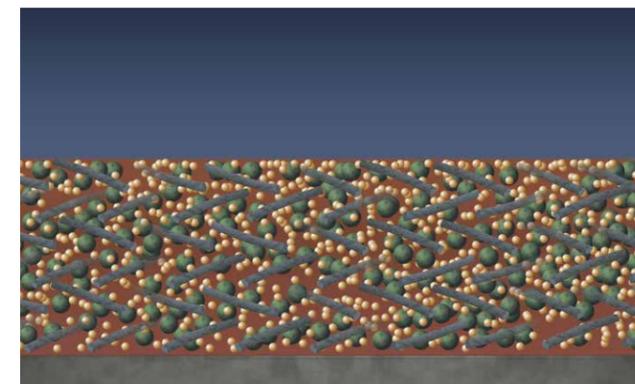
The result is better leached layer control, controlled polishing and a smoother fouling-free hull throughout the service period.

Hempel's microfibre technology

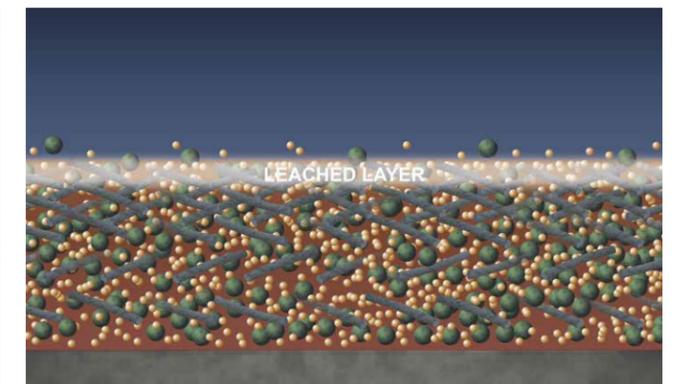


The microfibrils run close to the surface to ensure best-in-class mechanical strength.

Coating condition after exposure to a cyclic blister box test: No failures were observed on the panel reinforced with microfibrils. The coating without microfibrils showed severe cracking.



Fresh antifouling coating before exposure to seawater. The Smartfibres run parallel to the surface.



The antifouling coating after exposure to seawater. As a result of the biocide release, a leached layer starts to form. Water flow and the parallel structure of the fibres facilitates the smooth and uniform removal of the leached layer, ensuring a well-controlled polishing rate throughout the coating's entire service life.

You're in safe hands

Enjoy the benefits of Hempel's world-leading expertise and global presence.

From the frozen expanses of the Arctic to stormy southern seas, Hempel coatings can be found on ocean-going vessels of all types, protecting steel from corrosion above the waterline and ensuring maximum fuel efficiency below it. We have supplied marine coatings for over 100 years and today are one of the marine industry's most trusted suppliers.

Global service and efficiency

From the ballast tanks to the hatch covers, we can supply a reliable coating solution that will prove its worth at sea and increase your efficiency in dry dock. When it comes to hull protection, we understand the unique requirements of every vessel and can put together a comprehensive coating and service package for every need and budget. And, with a global network of factories and R&D centres strategically located near key shipbuilding locations, you know that we will always supply you with the coatings you need, when you need them.

At Hempel, we say that trust is earned. We earn this trust every day – through our expert technical services and the superior performance of our coating solutions.



Your vessel, our expertise – a performance partnership

For the ultimate in coating performance and project efficiency, choose Hempel Services.

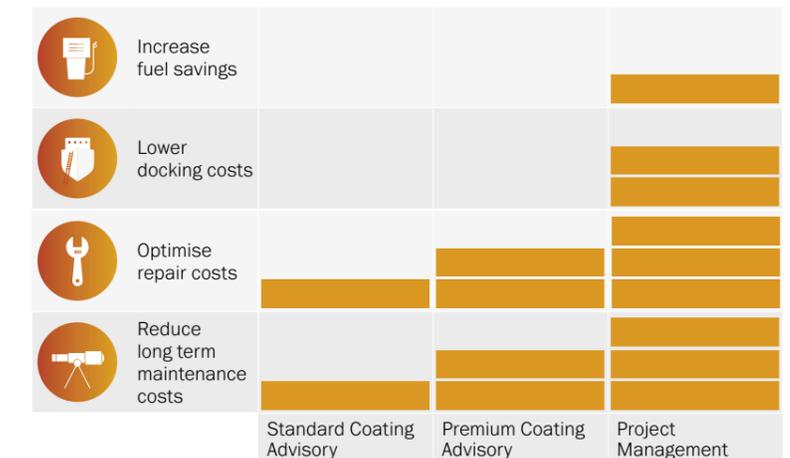
Coating advisory services

Standard Coating Advisory
We offer a moderate degree of onsite monitoring and project oversight.

Premium Coating Advisory
We offer complete coating application oversight and advice during the entire project.

Project Management
We offer complete coating application management and other essential services during a project.

Service value chart

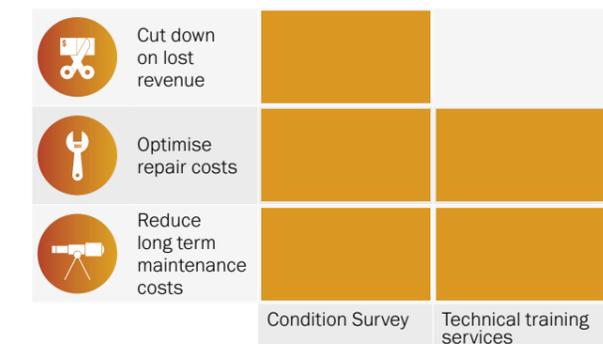


Specialised services

Condition Survey
We evaluate your asset's structure and coating system and help plan future maintenance work to extend asset lifetime and reduce maintenance requirements.

Technical training services
We provide a number of training courses for applicators, supervisors, technical staff and quality assurance personnel to ensure improved efficiency and quality.

Service value chart



Why use Hempel Services?

Reduce long-term maintenance requirements

- Reduced total cost of ownership
- Longer service intervals
- Less maintenance across the vessel's lifecycle
- Extend asset lifetime

Lower docking costs

- Optimise coating consumption
- Lower surface preparation costs
- Fewer days in dry dock

Increase fuel savings

- Lower fuel bills during docking intervals
- Higher reduction in speed loss
- Higher fuel and emissions savings

Optimise repair costs

- Optimise your maintenance budget
- Reduce rework
- Reduce dock rents

Cut down on lost revenue

- Fewer off-hire days
- Optimised curing time
- Efficient surface preparation and coating application

For more information, visit services.hempel.com

As a world-leading supplier of trusted coating solutions, Hempel is a global company with strong values, working with customers in the protective, marine, decorative, container and yacht industries. Hempel employs 6,700 people in 80 countries and has 28 factories, 15 R&D centres and more than 150 stock points worldwide.

Across the globe, Hempel's coatings protect surfaces, structures and equipment. They extend asset lifetimes, reduce maintenance costs and make homes and workplaces safer and more colourful.

Hempel was founded in Copenhagen, Denmark in 1915. It is proudly owned by the Hempel Foundation, which ensures a solid economic base for the Hempel Group and supports cultural, social, humanitarian and scientific purposes around the world.

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