



## **Hempel showcases innovative hull coating system to maximise efficiency**

Leading global coatings provider Hempel is exhibiting at EUROPORT 2019 with its latest innovative fouling defence coating solution – Hempaguard MaX. Developed specifically to support shipowners and operators in their drive for maximum operational efficiency, as well as the industry's push to reduce CO<sub>2</sub> emissions. Hempaguard MaX allows full trading flexibility without restriction on water temperature, trading area or trading pattern.

A unique three-coat system that not only provides vessels with a smoother hull, it can also be applied in just three layers, reducing time in dry dock by up to two days. Hempaguard MaX is a smooth coating system that achieves a significantly low average hull roughness which subsequently reduces drag resulting in lower fuel requirements.

Additionally, its improved fouling protection delivers a guaranteed maximum speed loss\* of 1.2 per cent over five years (according to the ISO 19030). The unique combination of exceptional fuel savings and operational flexibility means that Hempaguard MaX maximises efficiency and reduces operational costs.

### **The details of the three-coat system**

Anticorrosive primer, Hempaprime Immerse 900, is the first coating in the system and can be applied in just one coat, while Nexus II is a tie-coat technology with improved anticorrosive capabilities. Together, they provide the same protection delivered by two standard maintenance epoxy coats, reducing time in the dock for faster return to service and ultimately saving money for the shipowner and operators.

The power behind the unrivalled antifouling performance is the topcoat Hempaguard X8 that is built on the success of Hempel's leading hull coating Hempaguard X7. It incorporates Hempel's enhanced patented Actiguard® technology that combines the smoothness of a silicone coating with an improved hydrogel microlayer and active ingredient.

What sets this coating system apart is that it is applied in just three coats (as opposed to the five coats conventionally used), meaning it can be applied much faster, and reduces time in dry dock saving on yard fees.

As our industry continues to see its ups and downs, it makes sound business sense to rely on solutions that not only offer operational savings and flexibility, but also deliver a fast return on investment. Adopting a coating system such as Hempaguard MaX can make a significant difference to your operational success.

***Hempel is exhibiting at EUROPORT at stand no. 2200. Please come and visit to discuss how our latest innovative coating solution is the new peak in operational efficiency.***

**Hempaguard MaX at a glance:**

- Powerful advanced fouling defence coating system with increased smoothness.
- Low average hull roughness driven by the whole coating system – improving fuel efficiency.
- 1.2 per cent maximum guaranteed speed loss\* over five years.
- Enhanced anti-corrosive capabilities.
- Three coat system that saves up to two days in dock – saving time and money.
- Improved idle time antifouling guarantee of 120 days.

<https://www.hempel.com/en/marine/hempaguardmax>

*\*Speed loss: If a vessel's main engine is set at a certain power output, it will propel the ship through the water at a certain speed. Over time, fouling accumulation will increase drag and cause the speed of the ship to reduce even if the main engine power output remains constant. This reduction in speed is termed "speed loss".*

**About Hempel**

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 factories, R&D centres and stock points are established in every region.

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.

[www.hempel.com](http://www.hempel.com)