



Hempel helps Shih Wei Navigation reduce fuel consumption and emissions, and provides excellent protection for cargo hold

Shih Wei Navigation specializes in ship transportation, shipping agency and ship leasing and trading business. As of the end of 2023, Shih Wei Navigation and its wholly-owned subsidiaries have operated a total of 29 ships of various types, with an average vessel age of about 11 years, representing a shipping company covering large, medium and small diversified general bulk carriers.

Seeking to reduce CO2 emissions and improve its environmental performance and fuel efficiency through applying high-performance antifouling coatings, Shih Wei Navigation decided to apply Hempaguard on the hull of its Eternity SW bulk carrier as a solution to improve ESG, CII, fuel efficiency, charterer recognition and greenhouse gases after learning that Hempel's Hempaguard coatings are highly recognized by the charterers.

In addition, for the cargo hold of the Eternity SW bulk carrier, Shih Wei Navigation chose to apply Hempadur Ultra-Strength Fibre 47510 and Hempadur Ultraclean 700 as coating solutions, which are designed to protect cargo hold, provide ship owners and operators with superior corrosion protection and long major repair intervals, as well as application simplicity for shipyards and applicators.

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The Challenge

Shih Wei Navigation hoped to improve the environmental performance and fuel efficiency of Eternity SW bulk carrier by selecting the right antifouling coating. Meanwhile, for the cargo hold of Eternity SW, considering that the transportation of different goods will have an impact on the surface of the cargo hold, Shih Wei Navigation requires that the cargo hold coating should not only have excellent anti-corrosion performance, but also feature excellent wear resistance and impact resistance to avoid damage caused by hard cargo.

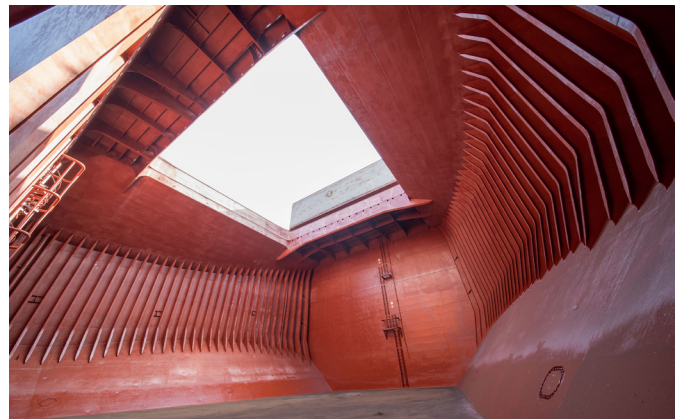
The Solution

Hempaguard is one of the best antifouling coating on the market, as it can reduce the environmental impact of the coating and deliver excellent fuel economic benefits. Hempaguard has kept a record of efficiency gains and received high praise from many customers. Based on the positive feedback from charterers, Shih Wei Navigation decided to apply Hempaguard on its bulk carrier Eternity SW.

Hempaguard uses the innovative patented Actiguard antifouling technology, which maintains excellent antifouling performance even when a vessel is idle for long periods of time, thus achieving significant fuel savings. Due to the smooth surface of the coating, it can reach 6% of average fuel savings with reduced CO2 emissions, which will directly contribute to its CII rating.

Hempadur Ultra-Strength Fibre 47510 and Hempadur Ultraclean 700 are applied for the cargo hold of Eternity SW bulk carrier. The solution meets the VOC regulation for high solids content, it is engineered to withstand the harsh conditions of cargo holds, due to its superior resistance to cargo stains, abrasion, impact, cracking, as well as chemical attack. It offers superior corrosion protection and long major repair intervals for owners and operators as well as application simplicity for shipyards and applicators.

Hempaguard and cargo hold coating solutions of Hempel can provide corrosion and antifouling protection for Eternity SW bulk carrier for years to come.



At a glance

Vessel:	Eternity SW
Operator /owner:	Shih Wei Navigation Co., Ltd
Hempel system:	<ul style="list-style-type: none"> • Hempaguard X7 • Hempadur Ultra-Strength Fibre 47510 • Hempadur Ultraclean 700
Shipyard:	Zhoushan Huafeng Shipyard Co., Ltd
Date:	December, 2023

The Hempel Group Head Office

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