

ShipBuilding

i n d u s t r y



Living Stone

ADVANCED SPECIAL PURPOSE VESSEL

Windea La Cour

EXCEPTIONAL PERFORMANCE

The True Cost of Ships' Crane Failures

SAFE AND EFFICIENT OPERATIONS



THE REPAIR OF CORRODED OR PITTED STEEL SURFACES

Maximum Protection

WITH AN INCREASING TREND FOR THRUSTER AND RUDDER MANUFACTURERS TO FINISH THEIR products with self-cleaning protective hard coatings, Subsea Industries has introduced a filler coating for use with its award-winning Ecoshield hard coat system.

Ecofix is specifically formulated to provide ship repairers and original equipment manufacturers with a cost-effective solution for the repair of corroded or pitted steel surfaces; it returns the thruster or rudder to its original state prior to touching up the repaired area with Ecoshield.

Smooth Surface

Boud Van Rompay, Executive Director of the Belgian company Subsea Industries, says: "We are seeing an increasing number of propulsion and steering equipment



Subsea Industries' Ecofix is a cost-effective solution for the repair of corroded or pitted steel surfaces.



Subsea Industries is a pioneer in the development of hard hull coating systems and hull and propeller cleaning systems. In 2002 they introduced Ecospeed as an environmentally safe underwater hull coating system, capable of improving ship performance, providing long-term fouling protection and reducing the impact of ship operations on the environment. In 2013, Ecoshield was launched for permanent protection against cavitation damage for rudders. This development was followed by the market launch of Ecolock – an extremely tough and durable coating designed for FPSOs, drill ships and other offshore vessels – and then, in 2016, by the introduction of Ecofix, a restoration filler for use in combination with Ecoshield. Ecospeed is type approved by Lloyd's Register as an abrasion resistance coating for ice-class ships and has DNV GL approval for use as a coating in ballast water tanks.

suppliers applying tough, hard coatings to their equipment for maximum protection against cavitation and abrasion damage, both of which can lead to widespread corrosion if conventional coatings fail. "When a rudder or other piece of underwater gear has not been properly protected, the surface will become corroded. Cavitation damage can cause severe pitting and the steel needs to be restored to its original shape with a smooth surface prior to recoating. "This is where Ecofix comes in. It has been developed to repair most pitting or corrosion damage on rudders, stabiliser fins, thrusters and other underwater gear. It's as tough as the steel itself," says Mr Van Rompay.

Non-Toxic

With extraordinary bonding and hardness properties, Ecofix is an effective alternative



to metal facing or very expensive fillers and because it is part of the Ecospeed/Ecoshield family, it is non-toxic and extremely durable. Since Ecofix uses the same basic resin as Ecoshield, the coating can be applied just one hour after applying the filler. "Ecoshield is the only coating known to fully protect rudders and thrusters from all



cavitation damage for the remainder of a vessel's service life. Now with the launch of Ecofix, the repair work needed on the underlying steel can be done effectively and economically," says Mr Van Rompay.

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