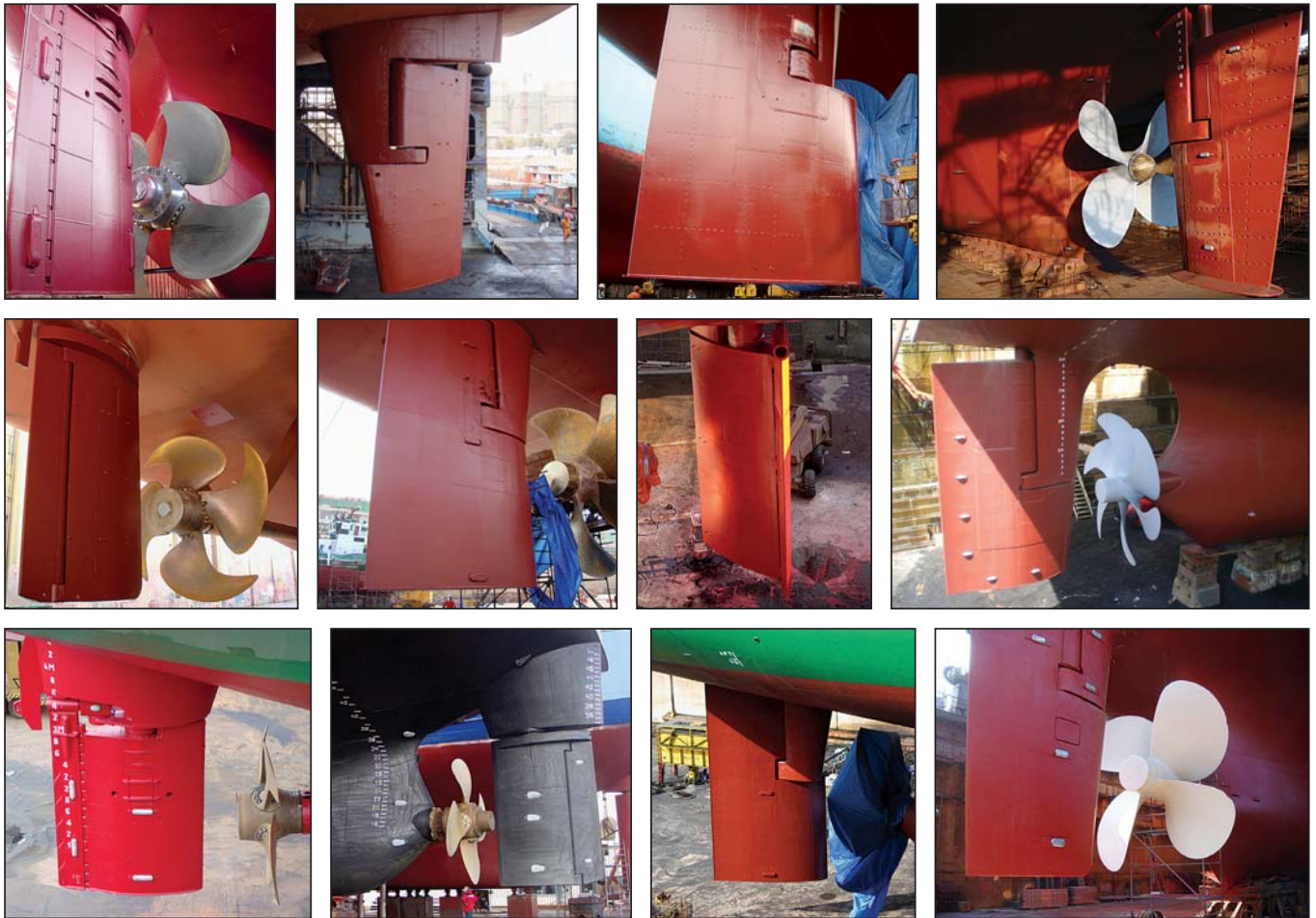


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# LASTING PROTECTION



**E**coshield gives a very thorough and lasting defense against cavitation and corrosion damage for a ship hull's entire service life.

The coating equally provides the rudder with an impenetrable protective layer while its flexibility enables absorption of the forces that are produced by cavitation. This prevents the damage normally caused

by this phenomenon.

Without proper protection against cavitation and the resulting erosion and corrosion damage, the financial consequences can be severe.

By removing the existing paint layers and applying Ecoshield on the rudder we can break the never ending cycle of painting, suffering damage, having

to perform extensive repairs in dry-dock followed by a full repainting, again and again.

With an Ecoshield application no full repaint will be needed during drydocking. Ecoshield is guaranteed for ten years. At the most, minor touch-ups will be required.

Subsea Industries NV  
+ 32 3 213 5318  
info@subind.net  
www.subind.net



# Largest US-built aluminum pilot boat protected with Ecospeed

**W**hen pilot boat *Spindletop* was delivered recently its underwater deep V-bottom hull was coated with Ecospeed to protect the vessel against corrosion. The 27.4-meter boat was built by Louisiana boat builder Breaux's Bay Craft.

Breaux was founded in 1946 and specializes in aluminum vessels built to meet the customer's requirements. Drawing upon 75 years of experience, this family-owned company consists of several generations of professionals. Their impressive track record has helped them establish a strong reputation within the shipbuilding industry and with the U.S. Coast Guard and ABS.



*Pilot boat Spindletop prior to application.*

## Keep up to speed

M/V *Spindletop* has individual seating for one operator and 15 pilots or

passengers. The pilot boat can reach speeds of up to 30.6 knots and will sail at an estimated running speed of 27 knots during daily operations.

For a fast-going vessel like this it is important to have a coating that will last and will help keep the speed intact. Ecospeed gives an underwater hull the best possible hydrodynamic characteristics. What is more, the performance of the ship does not degrade. Large fuel savings are the result. This brings huge financial benefits over the lifetime of the ship.

## Suited for all surfaces

Ecospeed can be applied to polyester, aluminum and steel surfaces. In all cases the same lasting protection is offered. For aluminum vessels corrosion can become a big problem if the hull is not kept safe. Applying our coating will remove this issue completely: No corrosion will appear on Ecospeed hulls.



*Application of first Ecospeed layer.*



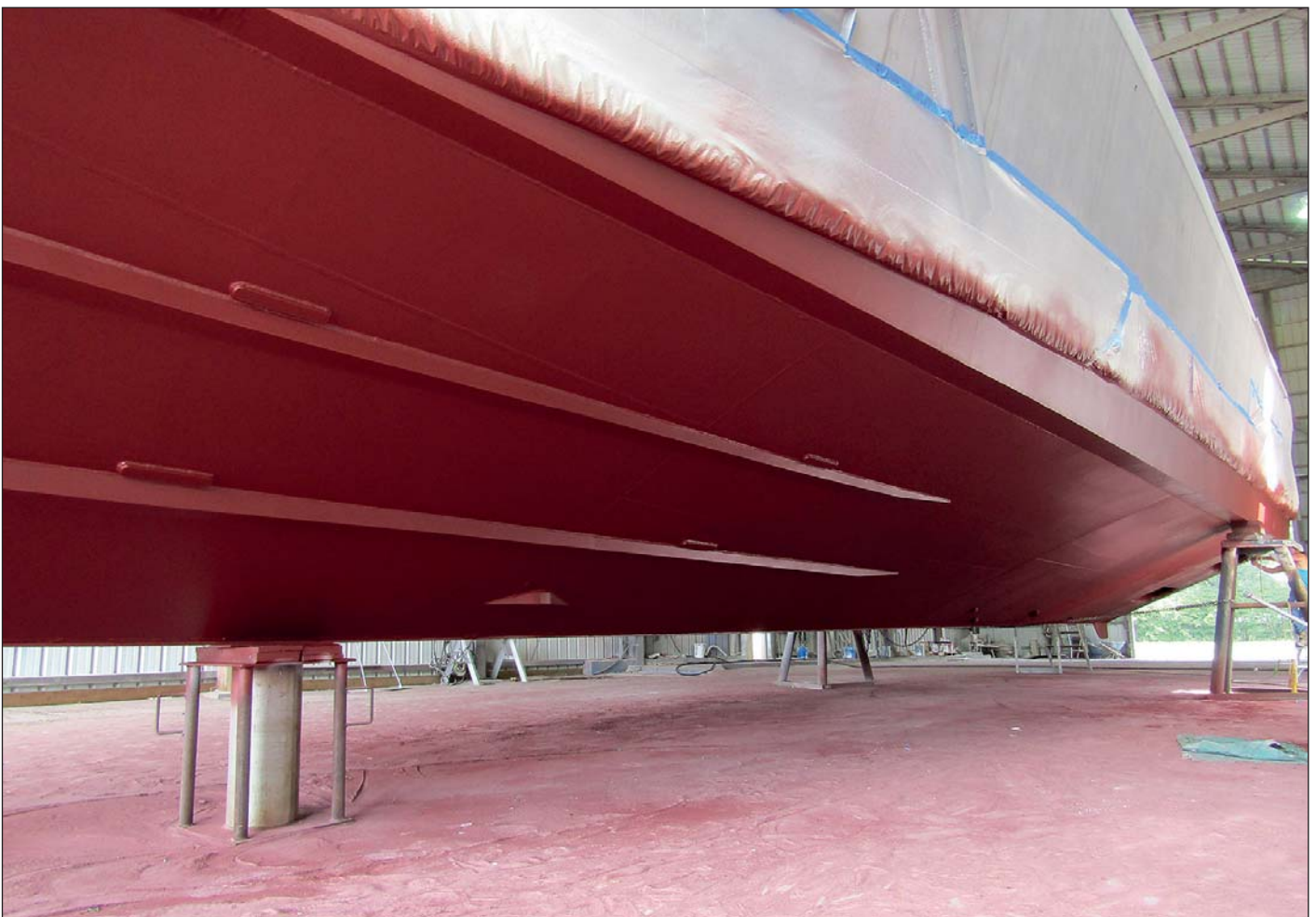
*Application of second layer.*

The application process is very easy and can be done very fast. The coating only requires two layers. No top-

coats, no primers or any other additional layers are needed. Ecospeed also has very flexible overcoating

times. The second layer can already be applied three hours after the first. As a result the application can be scheduled around other work taking place in the yard or dock.

Future dockings are also far easier to plan. Ecospeed comes with a ten-year guarantee. The coating will last the full service life of the ship without need for replacement or major repair. Only small touch-ups will be required. These can easily be done during a (short) routine drydock visit. They blend in perfectly with the existing coating. Because no repaint is needed, days and up to a week can be saved in drydock times during each visit.



*Ecospeed can be applied on all surfaces.*



*Spindletop after application.*



*Spindletop is the largest aluminum pilot boat constructed in the US.*



*Spindletop ready for delivery with lasting Ecospeed protection.*

## **Just wash it**

Every hull coating fouls and as a result cleaning is an unavoidable reality for shipowners. For most coatings this is a problem because they cannot be cleaned without damaging them, often very severely. Ecospeed, however, was designed to be maintained regularly while keeping the coating intact for 20 years or longer.

One of the many unique factors of this underwater hull coating system is that with repeated underwater hull cleaning, the coating's surface aspect does not degrade but gradually improves. This procedure is made easy by the coating's technical properties. Cleaning can be carried out whenever needed, at any point in its lifespan, without causing damage.

## **Conclusion**

Whenever protection is needed for a ship, Ecospeed offers the best solution. Whether it entails the underwater hull of a vessel or any other part of the ship, applying our coating system will make sure you will not have to worry anymore. The result is always the same: a lasting, non-toxic protection against corrosion, cavitation and even mechanical damage. ■

## **Contact us for more information**

**+ 32 3 213 5318 (Headquarters)**

**+1 727 443 3900 (US office)**

**info@subind.net**

# Lasting scrubber protection

**E**cospeed fits in seamlessly with the environmental idea behind scrubber systems. It is a lasting, chemically resistant coat-

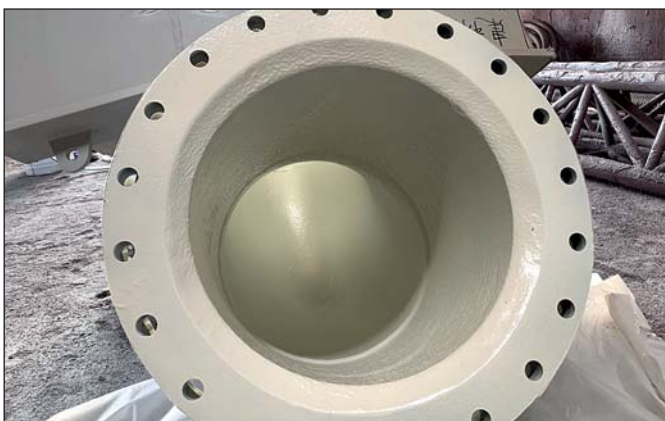
ing that will withstand the hazardous pollutants and will prevent corrosion damage and the resulting consequences. Ecospeed will

protects the exterior outlets as well as the interiors of scrubbers for the lifetime of the vessel.

## Outlets



## Overboard pipes



## Holding tanks



## The actual scrubber



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www.subind.net



# Corrosion damage very repair made ✓ easy



**S**ubsea Industries has a product for filling and building up a corroded and pitted steel surface to its original form prior to recoating with Ecoshield. Ecofix is as tough as the steel itself, machinable, and can be used to repair most pitting or corrosion damage on rudders, stabilizer fins, thrusters and other underwater gear.

Ecofix is used in combination with Ecoshield, the ultimate rudder protection coating. When a rudder or other piece of underwater ship gear has not been properly protected, the surface will become corroded.

Cavitation can cause severe pitting. The steel needs to be restored to its original shape with a smooth surface prior to recoating.

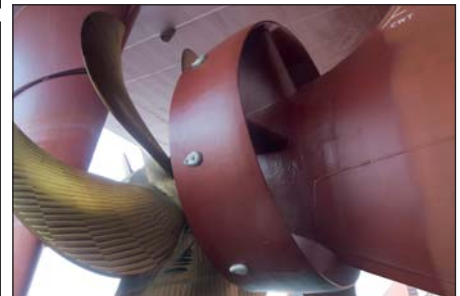
This is where Ecofix comes in. It is a superior, tested and proven filler. Because it uses the same basic resin as Ecoshield, the coating can be applied just one hour after the filler. The bonding and hardness are extraordinary. This is the effective alternative to very expensive fillers. And because it is part of the Ecospeed/Ecoshield family, it is fully compatible with our coatings.

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www.subind.net



# SUBSEA

PROTECTION AND PERFORMANCE



**S**ubsea Industries NV, was founded in 1983 specifically to take care of the design, development and marketing of what has become an evolving line of underwater hull and propeller

cleaning equipment as well as the line of hard hull coating systems.

All products produced by Subsea Industries have the same goal in

mind: To keep the underwater part of your vessel in the best possible condition for its entire lifetime at the best possible performance.

**[www.subind.net](http://www.subind.net)**

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