

| | |
|---|----------|
| How Ecospeed will save you money | 3 |
| The washable coating..... | 5 |

Subsea Industries is looking for representative agents



To support our continuous growth, we are expanding our worldwide network of Subsea Industries agents. This allows us to reach a much bigger public directly than would otherwise be possible.

Subsea Industries NV was founded in 1983 to take care of the design, development and marketing of an evolving line of underwater hull

and propeller cleaning equipment as well as a line of hard hull coating systems.

The purpose of the Ecospeed range of coatings and cleaning technology is to offer a long-lasting, non-toxic protection for all ships with a system that keeps a hull ultra-smooth and free of fouling for the service life of the vessel with minimal repair and no replacement. Instead of using chemi-

cals to kill and repel marine fouling organisms, Ecospeed uses a hard, impermeable, impenetrable coating along with manual removal of fouling at an early stage.

Contact us if you are interested in joining our network and help us build a strong relationship with our prospects and customers. We look forward to hearing from you.

SUBSEA INDUSTRIES

Phone: + 32 3 213 5318

Fax: + 32 3 213 5321

agents@subind.net

www.subind.net

Editorial: How Ecospeed will save you money

An underwater ship hull coating needs to be simple to apply, it needs to stay on your ship for many years with easy maintenance and it needs to save you money. Ecospeed ticks all these boxes. Choosing Ecospeed will be the last decision you ever have to make concerning your underwater hull coating.

Ecospeed was launched in 2002 and is our oldest coating type. It is used to protect ship hulls. In this editorial I will talk about some of the many benefits Ecospeed can bring ship owners.

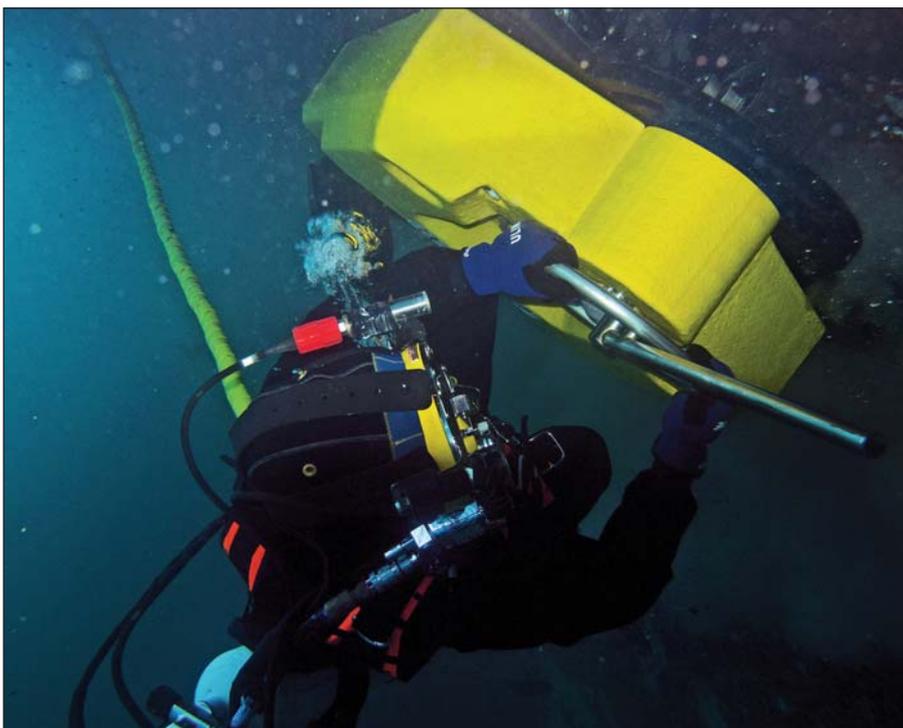
Apply once, never worry again

Applying Ecospeed 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.



Ecospeed was designed to be cleaned whenever needed.

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.

One of our customers said that he was able to get his ships out of drydock several days sooner with Ecospeed. Being a large cruise ship owner, this brought him substantial savings every time.



The coating can be quickly washed in drydock with high pressure tools.

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.

Washing Ecospeed can also be done in drydock with high pressure tools. The standard procedure for ship-

yards when a ship enters drydock is general cleaning of the ship hull to clear away any fouling and residues. With Ecospeed the coating is always in an as new and excellent condition after the high pressure washing. The surface texture is very smooth. It reveals without exception that Ecospeed does not need any additional paint layers.

Start saving money even before you leave dock

I already mentioned the financial benefits from leaving drydock days earlier, but Ecospeed can help you save money in other ways.

Our coating gives your underwater hull the best possible hydrodynamic characteristics. What is more, Ecospeed lasts. Therefore the performance of the ship does not degrade either. Large fuel savings are the result. This brings you huge financial profits over the lifetime of the ship.

One major cruise line has been quoted as saying that they are saving 40% on fuel costs with Ecospeed. Another cruise ship found that they gained 4 knots over sea trials speed when they replaced their hull coating with Ecospeed.

If you drop us a line, we can tell you how Ecospeed can benefit you. We will look at your specific situation and give you all the data you need. This will allow you to make an informed decision on the next underwater hull coating for your ship. You will not have to worry about this ever again if you choose Ecospeed.

Subsea Industries NV
Boud Van Rompay

The washable coating

Ship hulls should be protected with a system that lends itself to fast, effective cleaning without risk of damage to the coating and without posing any kind of hazard to the environment. Ecospeed is this system.

There is currently no hull coating available which will not foul. The only way to remove this fouling is to clean it off. The Ecospeed coating has a glassy surface that was designed to be washed without being damaged. This enables fast and efficient fouling control throughout a ship's entire service life.

Fast and easy cleaning

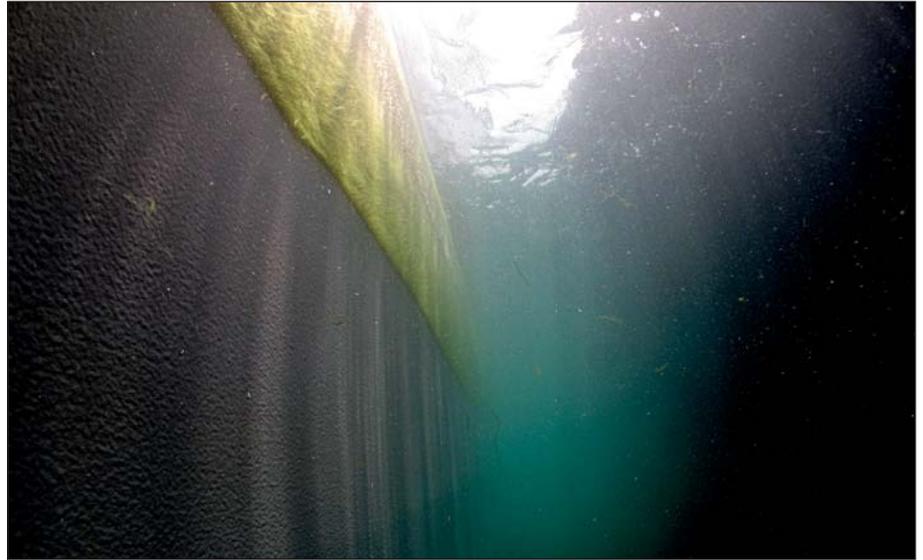
Underwater maintenance

Underwater maintenance of Ecospeed is carried out with specially designed underwater hull cleaning tools that simultaneously remove all fouling and optimize the smoothness of the paint surface. It allows divers to clean the flat areas as well as the harder to reach parts of the hull without damaging the coating.

One of the many unique characteristics is that with repeated underwater hull cleaning Ecospeed's surface improves. Cleaning can be carried out whenever needed, at any point in the coating's lifespan.

High-pressure cleaning in dry-dock

Ecospeed can also be cleaned in drydock with high pressure tools. The coating is always in an as new, excellent condition after a high pressure washing and no material is



Fouling on Ecospeed can be removed fast and easy.

lost. Only the fouling is removed. The coating stays on the ship instead of dispersing in the water and contaminating the shipyard and the surrounding waters.

Several of our customers use this

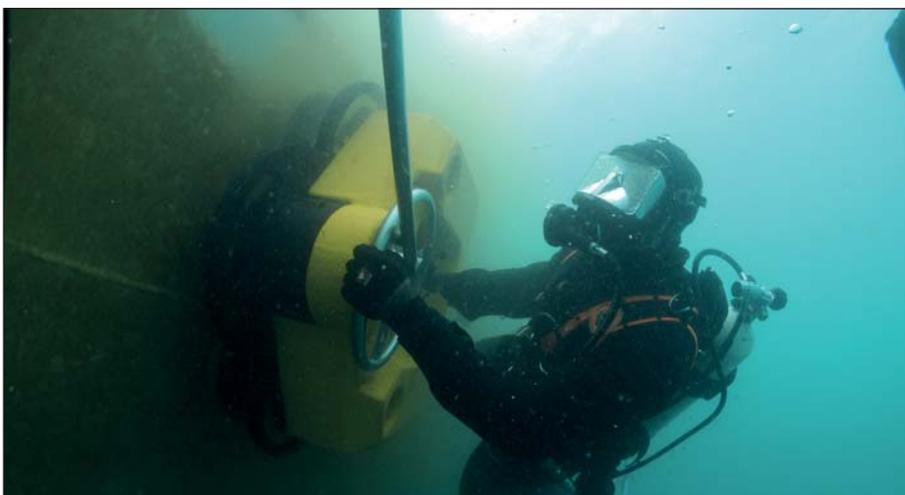
method to have their vessels cleaned. Their ships are taken out of the water, cleaned with high pressure tools and put back in the water in a matter of hours. They all said that this approach helped them get through the financial crisis.



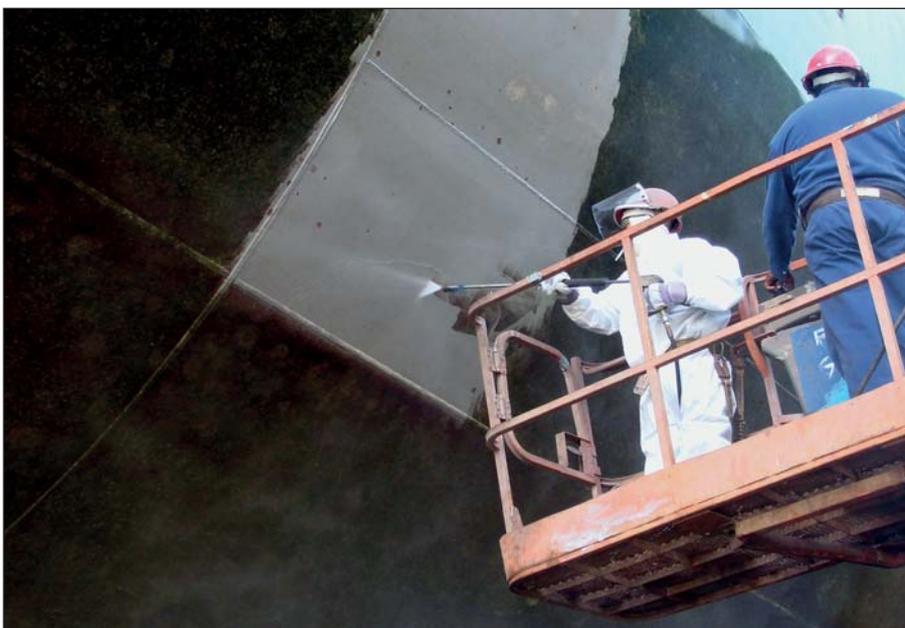
An Ecospeed application is adapted to the shipyard's schedule and not the other way around.



Fouling can be washed off in drydock with high pressure tools or underwater while improving the coating.



Ecospeed underwater maintenance is carried out with specially designed equipment.



With Ecospeed the coating is always in an as new, excellent condition after a high pressure washing.

Fewer drydockings

There has been a trend of extending the maximum drydock interval to seven and a half years or even ten years, if a stringent set of rules is followed. One of the requirements is a very strict underwater maintenance plan. Ecospeed's qualities make the coating ideally suited for such a regime. Regular underwater cleaning will maintain and improve the ideal surface characteristics. The biggest barriers to ships staying out of drydock for seven and a half or more years are dealing with bio-fouling and maintaining hull coating integrity. Ecospeed allows ship owners and operators to overcome both these barriers.

Long lay-up periods have no negative effect

The coating is also suited for ships which have a stationary period because an impermeable and impenetrable barrier is created. This gives the coating its excellent and durable anti-corrosive properties and protects the underwater hull against mechanical damage. Despite the aggressive nature of certain types of fouling, no corrosion or damage to the steel will be present on the underwater hull of the vessel after cleaning. Hard fouling is unable to penetrate or damage the coating.

Environmentally safe

Toxic-free

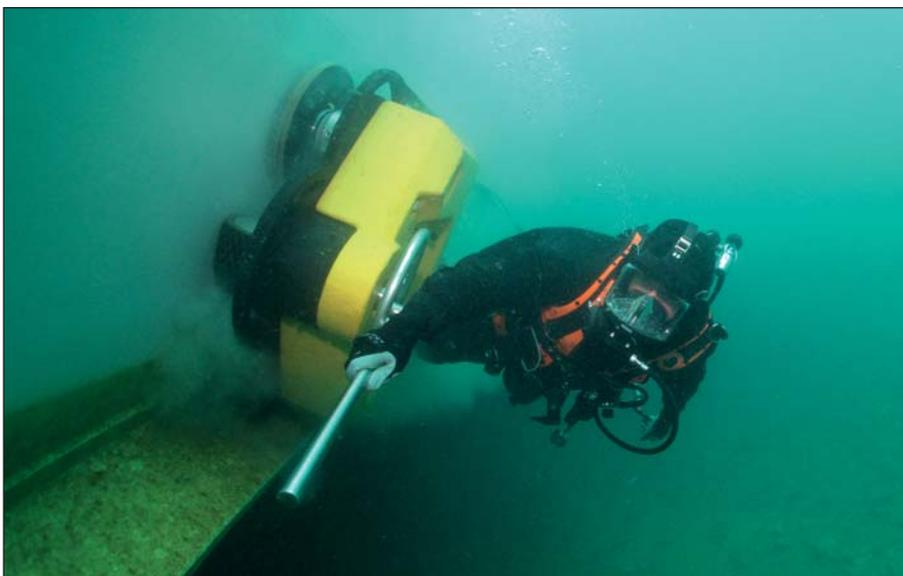
Ecospeed is 100% non-toxic and there is no negative effect on the water quality or the marine environment during maintenance.



Ecospeed is applied in only two, homogeneous layers.



Ecospeed is 100% non-toxic.



Regular underwater treatment of Ecospeed is at the moment a Best Available Technology to minimize the risk of biofouling transfer.

The definite biofouling solution: clean before you go

The underwater cleaning of Ecospeed prevents the spread of biofouling entirely. The cleaning frequency is optimized to minimize fouling. This prevents macrofouling from building up.

Removal of the ban on underwater cleanings

Several major ports have overturned the existing general ban on underwater hull cleaning, specifically making an exception for vessels coated with Ecospeed.

Conclusion

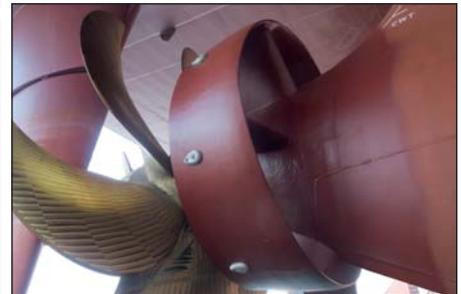
Ecospeed is an entirely different, more cost-effective and environmentally acceptable approach to hull protection and anti-fouling.

There is no need to reblast and re-coat the hull; no corrosion, no impact on the environment and, if regular hull cleaning is carried out, fuel savings of up to 50% can be achieved. ■

Wash it when fouled

ECOSPEED®
SHIP HULL PERFORMANCE TECHNOLOGY

SUBSEA INDUSTRIES



Subsea 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

Subsea Industries NV

Phone: + 32 3 213 5318

Fax: + 32 3 213 5321

info@subind.net