

Ecoshield

The end of cavitation damage on running gear



Benefits:

- Permanent protection against cavitation erosion and corrosion damage
- Suitable for all running gear
- Easy and flexible coating application
- Smaller surfaces can be finished in a single day
- Planning maintenance of the stern area becomes much easier
- Ideal for newbuild ships or ships already facing cavitation
- Completely non-toxic

Ecoshield offers permanent protection against cavitation erosion and corrosion damage for rudders. The coating protects the rudder for the service life of the ship without need for recoating or major repair and comes with a ten-year guarantee.

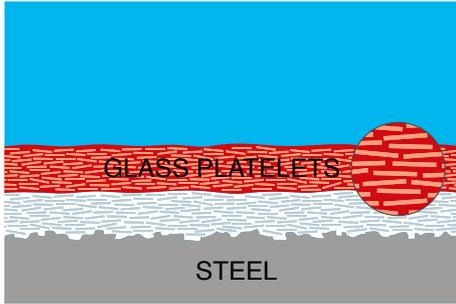
The coating is also suitable for bulbous bows, stabilizer fins, thruster nozzles and other underwater ship gear which needs special protection from erosion and corrosion.

Overcoating time between the two layers can be as short as three hours, which means that for smaller surfaces such as rudders or bow thrusters the two required coats can usually be applied in one single day.

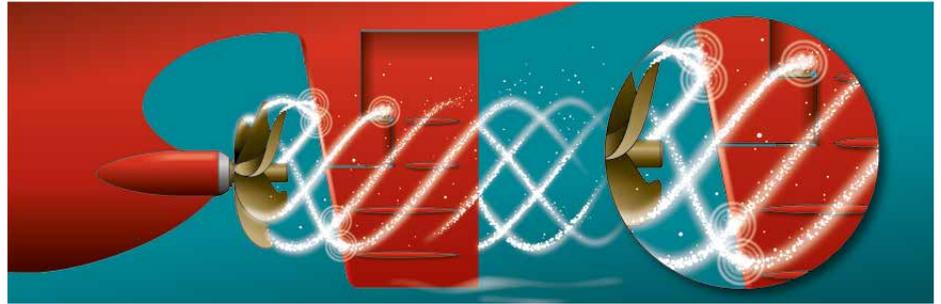
Ships that were experiencing heavy cavitation damage to their rudders have seen no further cavitation damage erosion once Ecoshield was applied. Some of them have been sailing with the coating for longer than 10 years.

More than 1.000 Ecoshield applications have been carried out so far.

Ultimate Protection



Two identical layers applied on the prepared surface make an impermeable barrier.



Ecoshield will protect rudders or running gear against erosion damage caused by cavitation.



“The decision to apply the coating on the first vessel was not an easy one, but the results obtained made the choice to extend the coating to other vessels obvious.”

Mr. Miltos Synefias, Technical Director Pleiades Shipping Agents S.A.



“Highly qualified professionals with FROSIO red level certificates evaluated the coating and gave the green light for application. After five years of operation at various speeds there were only minor detachments and those were easily repaired.”

Georgios Zolatos, Fleet Technical Coordinator Danaos Shipping



“We can see a really big improvement. Thrusters are less prone to damage, reducing maintenance and operational costs. We see these benefits not only with the towboat application, but also other applications such as harbor tugs and passenger vessels.”

Frank van der Vegt, Area Sales Manager ZF Marine Krimpen



“I would say for me it is quite clear. Had we not applied Ecoshield on the rudders, we would certainly have extensive work to do in drydock.”

Grzegorz Girjat, Superintendent Ernst Russ

