

ABOUT GLIDECOAT

Glidecoat, is a registered trademark of Onan Technologies which was originally established in 2012. Our goal was to produce and provide the best nano-coatings possible for both the Aviation and Marine markets.

Today, Onan has developed and offers a unique range of high performance products and services using Smart Surface Technology (SST) Nano-composite materials. These products have been extensively tested on all forms of water and aircraft in extreme weather conditions by accredited laboratories and have been proven to provide superior protection in even the harshest conditions.

THE TECHNOLOGY

Today's scientists and engineers are finding a wide variety of ways to deliberately make materials at the nanoscale to take advantage of their enhanced properties such as higher strength, lighter weight, increased control of light spectrum, and greater chemical reactivity.

Structures and properties of materials can be improved through nano processes. Such nanomaterials can be stronger, lighter, more durable, water-repellent, anti-reflective, self-cleaning, ultraviolet- or infrared-resistant, antifog, antimicrobial, scratch-resistant, or electrically conductive, among other traits.

At Glidecoat, we have been focused on the development of products using Smart Surface Technology (SST) nano-composite materials for several years.

Over that time we have worked with various companies within the Nano technology coatings market as well as our own chemists to develop some of the most advanced coatings in the market. We have developed a variety of coatings, specific to the harsh and demanding environments of the Marine Market, which leverage the technology across running gear, gel coat, metal surfaces, aluminum, PVC, fiberglass and numerous other substrates.

GLIDECOAT

PROP OPTIMIZER

GLIDECOAT

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GLIDECOAT IS MUCH MORE THAN A PRODUCT.

It is the peace of mind in knowing that your prop and running gear is protected. Our unique, high performance surface coating uses Smart Surface Technology (SST) Nano-composite materials to create a smooth surface that not only prevents marine growth, but protects against abrasion.

THE CHALLENGE

The harsh environment underwater makes it incredibly difficult to protect your prop and running gear from marine growth. As a result, picking the correct anti-fouling product for your propeller and running gear has become a difficult process. Add to that, the EPA has developed strict regulations for anti-fouling paints and there are few other alternatives that provide both results and longevity.

Conventional anti-foulings are so soft that they are constantly getting worn down by friction, taking off by marine growth or blown off by galvanic corrosion. These products are also subject to adhesion issues. Most require the metal surface to be sanded by heavy grit sand paper, which removes a lot of material and reduces the life of the propeller.

And finally, most of the anti-fouling paints contain biocides which contain more metals increasing galvanic corrosion.

PROP OPTIMIZER BENEFITS

Multi-season protection

Diamond hard to extend life and performance

Ability to re-coat without complete removal

Improved fuel efficiency

Anti-fouling growth protection without chemicals and toxins

Stops growth even when the propeller is not moving

Less than 1 micron thick to prevent performance loss and balancing issues

THE SOLUTION

At Glidecoat we knew there had to be a better way to protect our running gear and propeller. Using our Smart Surface Technology, we created Prop Optimizer – the next generation of anti-fouling coatings.

Prop Optimizer uses Nano Polymer technology to fill in all the microscopic pores, scratches, and nicks that creates a smooth surface which prevents marine organisms from adhering. Now instead of having marine growth attach and fall off when the boat is moving we are stopping growth at the dock.

Prop Optimizer, unlike other anti-fouling products, is a hard coating. The diamond hard shell that Prop Optimizer creates is actually a barrier that protects the metal from growth but also protects against abrasion and turbulence that blasts off other soft coatings. This allows Prop Optimizer coatings to last longer and provide multi-season protection.

Prop Optimizer is the smart solution for your anti-fouling requirements.



- These two propellers were left underwater, side-by-side, for 6 months. The propeller on the left has been treated with Glidecoat and prevented any marine growth.