



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

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GLIDECOAT

INFLATABLES

GLIDECOAT IS MUCH MORE THAN A PRODUCT.

It is the peace of mind in knowing that your Inflatable is protected. Our unique, high performance surface coating uses Smart Surface Technology (SST) Nano-composite materials to provide superior protection against expansion, UV damage and more.

THE CHALLENGE

Inflatable Fabric tenders provide great advantages to other options. Inflatables are lighter, easy to store and require less horsepower.

Unfortunately, with these benefits, we also have disadvantages. Both CSM (Hypalon) and PVC tend to have a lot of expansion with changes in temperature. This stretches the material and seams causing failures and costly repairs. Soft impacts with docks and other boats can cause leaks and adhesive failures at the seams. Abrasion and scratches can damage the fabric and leave ugly marks. Then there are storage issues with moisture leaving black mold spots that are difficult to remove. Also there is the difficulty of keeping the tender clean. With the highly porous fabric material like CSM(hypalon) or PVC, this is very difficult. But the biggest issue Inflatable fabrics face however, is damage from the sun's UV rays. PVC especially has been known to be very susceptible to UV damage.

BENEFITS

Prevents color fading and UV damage by 45%

Reduces adhesive failures

Increases material resilience to heat expansion

Prevents leaks and damage from soft impacts

Increases life cycle of material by 25%

Prevents mold and dirt staining

Increases the life cycle of a PVC tender by 30% when left exposed to the sun.

THE SOLUTION

Glidecoat Inflatable uses our exclusive Smart Surface technology to fill in the microscopic pores of rubberized fabric material like CSM (Hypalon) and PVC to create a super smooth surface that repels water, dirt, and salt. The Smart Surface technology also increases the tolerance against damage and leaks that are a result of soft impacts and abrasion. Glidecoat's Nano Polymer technology protects against damage from UV and heat by reflecting UV rays and making the rubberized fabric more resilient to expansion from heat.

Independent lab results show that inflatables treated with Glidecoat have 45% less color loss and fading after one year of high intensity UV exposure and completely eliminated drying, cracking, and adhesive separation. By filling in the pores, Glidecoat Inflatable stops moisture from absorbing into the boat's rubberized fabric material and eliminates mold and stains. Overall, Glidecoat Inflatable has proven to extend the life cycle of Hypalon by 25% and PVC inflatables by 30%.

UNTREATED

TREATED

■ These two sections of PVC have been tested with 500 hours of UV exposure. The UV protection offered by the Glidecoat Inflatable is drastic.

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