

ENG OVERDRIVE PERFORMANCE COATING

Seaboost Overdrive is a new generation of antifouling paint. The surface is hydrophobic (water-repellent) and hydrophilic (water-absorbing). The results in a unique amphiphilic antifouling surface with many benefits.

- low friction offers optimal performance
- a surface that makes it difficult for organism to attach on it
- hard and resistant for boat washers and brushing
- easy clean
- extends brushing intervals
- protects against humidity and corrosion
- 100% biocide free ECO product

Overdrive is based on sol-gel technic and it's developed further to give an optimal result in combination with mechanical antifouling methods as Seaboost Powerturf, Seaboost Powerbrush, boat washers, brushes, hull covers, pressure washers etc.

Intervals for cleaning the surface varies depending on local fouling pressure, and how you use your boat. In the Baltic Sea area, we estimate the need to be approx. 2-3 times/season. For best results it is crucial that you follow up when barnacles settle. In the Baltic Sea area barnacles typically settle once every season during some weeks after the water temperature have reached 18 C°. We recommend brushing off barnacles when they are newly settled eg. with a Powerbrush. This makes cleaning easier and extends the life of the coating. Service intervals for Overdrive are typically 3-6 years depending on the usage.

You can store your boat on land without damaging the features of Overdrive. Do not use solvents, detergents, abrasives, or sponges based on abrasives when cleaning surfaces painted with Overdrive. For cleaning use water, brushes and if needed soft scrapers in nylon or wood (gently). Also adjust the power of the pressure washer so that you do not damage the surface. Use microfiber clothes and water to remove stains.

NOTE: The technology used in this product requires observance and careful following of application instructions.

APPLICATION INSTRUCTIONS

Film thickness for Seaboost Overdrive system:

	Seaboost Primer (dry content 49% / density 1,35g/ml)		Seaboost Overdrive (dry content 80% / density 1,00 g/ml)
boats in seasonal use	minimum 80 µm (dry) = apply 2 layers 85-100 g / m ² / layer	+	minimum 80 µm (dry) = apply 2 layers 50-90 g / m ² / layer
year-round launched boats	minimum 240 µm (dry) = apply 6 layers 85-100 / m ² / layer	+	minimum 80 µm (dry) = apply 2 layers 50-90 g / m ² / layer

Painting platforms for Overdrive system

Suitable platforms for Overdrive system is fiberglass/gelcoat/aluminum/iron/steel/2K Epoksi and Overdrive coatings. Aluminum can alternatively be coated directly with two layers of Overdrive, provided that the preparation work has been done very carefully. For better corrosion resistance, better adhesion, and visually better result, we still recommend use of Seaboost 2K epoxy primer under Overdrive, when painting on aluminum.

Overdrive is translucent, so the underlying color layer is visible through the coating and determines the final color. Overdrive appears as a "milky" layer on darker surfaces especially below the water line. For this reason, we recommend primers with light colors as signal grey.

Old 2K epoxy primers (used under most antifouling paints on the market) and old Overdrive in appropriate shape can be painted on with Overdrive or Seaboost 2K epoxy primer, after preparations mentioned below. Note that multicolored and uneven surfaces should first be grinded and painted with a new Seaboost 2K epoxy primer to get an even color surface. Do not paint Overdrive on old antifouling paints or paints or surfaces not mentioned above. Remove old antifouling paints with Seaboost Stripper.

Preparation of all surfaces. Clean surface from dirt and other substances as grease and wax, whit Seaboost Thinner 10037. After cleaning, remove loose and damaged paint layers and grind properly with P60-P80 sandpaper. You can smooth the sanding track lightly with P240 if needed. When grinding aluminum use sandpaper for aluminum and metal surfaces. After grinding wipe off the dust from the surface. It is important that these steps are performed with care.

Painting conditions

Required temperature while painting +12 C° to +35 C° and relative humidity in the air 45-85 %.

Note that the given temperature applies to the surface to be painted, the paint and the air temperature. Surfaces must be free of moisture and dirt. It is important that the temperature does not drop under +9 C° during the first five curing days.

Required curing time for Overdrive before launching the boat is in minimum 5 days (+20 C°) and 14 days (+12 C°). Note that the curing process will continue for a longer period. For this reason, make sure the coating is hard enough for handling during the launching process, and before you expose it to mechanical stress, as brushes/scrapers/high pressure washers.

Painting instructions

For best result use solvent resistant tools as rollers with a fine texture (max. 4 mm) or high-quality paint brushes. Tools can be cleaned, and Overdrive can be thinned for special applications as spray painting with Seaboost thinner 10037. Monitor the paint consumption, preferably with a scale and make sure you apply the recommend minimum. Use painting tools lightly when painting the second layer as the underlying layer still will be clearly soft.

Note: Use Seaboost 2K epoxy Primer for guaranteed combability. When using Seaboost 2K epoxy primer for Overdrive, the overpainting frame for first layer of Overdrive on primer is max. 24 hours (normal conditions +12 to +30 C°/not in direct sun light). Despite of this you will get best adhesion by painting on a tacky 2K Epoxy surface.

Important: Adhesion is only received by painting Overdrive on the underlying Overdrive paint layer while it's still clearly sticky within 2-4 hours. After this the curing process creates an oily surface that will make it impossible to get adhesion on the underlying Overdrive layer. For this reason, and as the curing time is long, it's important that you carefully schedule the painting work and reserve enough paint. This saves you from unnecessary stages including waiting out long curing times, sanding, and extra coats of paint.

If the underlying layer has cured to long (Overdrive or Primer), let the paint cure until it is hard and grind the surface properly rough with P100 sandpaper. You can smooth the sanding track lightly with P240 if needed. After grinding wipe off the dust from the surface.

Mix the required amount of Overdrive and Hybrid hardener in ratio 7:1 (weight) just before painting. Store in dry conditions with temperatures between +3 C° to +30 C°. Unopened cans can be used within 3 years after production. Production time is found printed on the package.

IMPORTANT: Read safety instructions printed on the package and note that Overdrive is slippery when lifting and handling the boat.