

Directions for NanoSafeguard 2C Marine Sealant PRO

NanoSafeguard 2C Marine Sealant PRO is a 2-component mixture on basis of the chemical nano-technology. Adhesion of shells, barnacles, algae and foreign substances will be reduced, the surface will become more resistant to scratches, and the coated surface can be cleaned very easily. Areas below the waterline must be primed and have a secure, preferably non-toxic paint as a base, as NanoSafeguard 2C Marine Sealant PRO does not provide protection against osmosis (fibreglass blisters).

Dilution: None
Quantity to be applied: approx. 5-10 ml per m² or per 10 ft²
Curing/Drying: approx. 2-3 hours at minimum
Processing temperature: +5°C (41°F) to +25°C (77°F) - to be protected against direct sunlight

Handling: refer to safety data sheet
Storing and durability: refer to safety data sheet, imprint on bottles or cans
Storing temperature: +5°C (41°F) to +30°C (86°F), to be protected against direct sunlight and frost

Application:

The carrying of gloves is recommended. NanoSafeguard 2C Marine Sealant PRO dehumidifies the skin. The application should be checked at an inconspicuous spot or a sample. Not to be applied at temperatures below +5°C (41°F) or above +30°C (86°F).

Preparation:

Cleaning:

Step 1

The surface should be cleaned before sealing. Remove all algae, pollutions of dirt, oil and grease. We recommend the use of an algae removing cleaner to clean all surfaces. Afterwards it should be rinsed intensively with clear and cold water. Before coating the surfaces must be clean, dry and non-greasy.

The sealing should be started immediately after cleaning and drying. After sealing the surfaces should not be cleaned mechanically or dry-cleaned for 2-3 hours. During this time period it is not recommended to launch the boat.

Coating:

Step 1

Mix the two components (C1&C2) in the ratio of 1 to 1, please use a scale or a measuring jug. Mix the components thoroughly by stirring or shaking for 2-3 minutes.

Step 2

You can spray or apply manually the ready-prepared mixed coating easily. For spraying, we recommend a pressure sprayer or an air-pressure sprayer with a 0.5-nozzle. For manual application, we recommend a small sponge. Work with small areas at the time. 20 in x 20 in. When an area is coated, wait approx 20 seconds, and then polish with a polishing towel to remove dullness. If you do not polish after you apply the sealant, you will not have a glossy surface, but the sealant is still effective. This might be sufficient for the bottom of your boat. Repeat the process until the entire boat is sealed.

Proof of effectiveness through drop-test

In case the sealing has been carried out properly, a drop of water put on the paint with a pipette may not run broadly. It must bead up on the surface. **(AFTER "2 HOURS")**

Drying:

After approx. 10 minutes the sealing is dust-dry. Do not touch the surface or expose it to water for another 2 hours. Full curing takes approx 24 hours.

Influence of the environment:

The treatment has to be carried out at normal temperature- and humidity conditions. Each precipitation or pollution on the object to be dealt with, or the insufficient drying before treatment, can reduce the bond of the sealing. It is not recommended to apply the sealant on surfaces colder than 5°C (41°F) or warmer than 30°C (86°F). Avoid direct sunlight while applying.

Cleaning of the coated surface:

Since dirt, barnacles and algae etc. do not adhere closely on the coating, no aggressive cleaners (extremely acid, extremely alkaline, scouring milk) are required. If the effect fades the surface should be cleaned with a sponge and a mild cleaner (for example general purpose cleaner). The coating requires a continued regular cleaning of the surfaces.

General remarks

- the individual components are stable for approx. 1 year;
- already mixed components will keep for 3 days only;
- do not use the product without previous suitability test.

Note:

The present instruction for use is based on extensive researches, but doesn't release the user, to check the product and procedures for suitability for his own special use. Especially we are not responsible for such purposes of application and use which we have not emphasized particularly in writing. By all means the instructions and notes of the safety data sheets must be taken into consideration.