

Boat Polish + Seal

Technical Data Sheet

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THE SCIENCE of PROTECTION

1 Description

Nanoman Boat Polish + Seal protection uses SiO₂ quartz nano particles to protect a boat's gel coat, fibreglass or painted surface. This new and advanced polish will protect a boat's surfaces and offer a highly durable high sheen layer that will protect it from external influences of weather and sea salt while improving its scratch resistance.

Nanoman Boat Polish + Seal has been formulated for all watercraft fibreglass surfaces. This coating has been specifically engineered for the harsh conditions that boats and other watercraft have to endure. After application nano particles self organise and bond with the paint forming an invisible long lasting barrier against dirt and grime and anything the environment can throw up against it. The nano coating is only a few nanometres thin and cannot be seen with the naked eye. A boat's paint becomes super hydrophobic with water beading and rolling off the surface taking away with it, dust, dirt and other contaminants. Dirt, dust and dried on salt pray will not stick to the boat's surface, making it easier to clean and free of baked in dirt and grime.

With the surface friction being reduced most contaminants are simply picked up by water (and roll off the surface. Stubborn contaminants can be removed quickly and easily with water and a soft cloth in most cases. There is no need to use abrasive or environmentally damaging (and expensive) cleaners.

Surfaces are also protected from weather corrosion including the effects of UV. The coating itself will not degrade due to sunlight. It is very easy to apply and because the nanoparticles actually bond with the boat's surface it will remain effective for up to 18 months.. It can be used above and below the water line and in doing so, it will help make the cleaning of algae and other marine pollution much easier.

2 Feature Benefits

- Creates a hydrophobic and protective barrier that repels liquids and dirt.
- Strong non-stick properties
- Makes cleaning easier and faster (dirt can be easily removed with a wet cloth or wash down)
- Helps prevent the buildup of algae
- Long lasting 12 to 18 months sealing and protection against weather stains, water, dirt, salt, and contaminants. (recommend reapplication after 12 months)
- 100% invisible does not affect the appearance of the surface, leaves no marks or stains.
- Maintains the boat looking good for a longer period of time with longer intervals between intensive cleaning
- No dirt particles can embed into Gel Coat pores
- Simple one step application
- Quick and easy to apply.
- DIY hand or machine application
- Polishes and Seals in the same working process
- protects against UV and scratches and baked in dirt and grime.

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- is ideal protection for new or used boats, yachts and jet skis
- Saves time and money on cleaning products
- Helps protect the environment because of the reduction of chemical cleaning products.
- UV-stable,
- Limits the growth of algae for boats left in the water

3 Application

Nanoman Boat Polish + Seal is great for boat and yacht enthusiasts who want to spend more time enjoying their time on the water rather than the endless cleaning and polishing usually associated with boat ownership. Nanoman Boat Polish + Seal allows more time to enjoy boating while also saving you money on expensive cleaners. Suitable for all boaties from the casual enthusiast right up to the professional fisherman.

- Trailable and moored boats
- Motorboats, yachts and jet skis
- Commercial charter and fishing boats
- Internal and external fiberglass and gelcoat surfaces

4 Surface Preparation

The most important step in the application is actually preparing the boat's surface. It must be completely clean, dry and free of all grease, dirt, oils, scale residue and other contaminants prior to application. Do not use an abrasive cloth to clean the boat as this may result in scratches to the boat's surface.

5 Directions for Use

Nanoman Boat Polish + Seal is best applied at temperatures above 4° Celsius and in dry conditions. The surface needs to be thoroughly clean and dry before application. Apply very small amounts one section at a time, thoroughly rubbing in each section as you go.

- Manual application with circular motion using a clean, soft microfiber cloth or with slow/medium rotational polisher.
- The polish is best applied at temperatures above 4° Celsius and in dry conditions. The surface needs to be thoroughly clean and dry before application. Apply very small amounts one section at a time, thoroughly rubbing in each section as you go. After one hour, clean off any residuals with a different clean cloth or polishing pad. The coating is completely networked and hardened after 24 hours. Keep dry during this period. The coating is biologically safe; however, we recommend the wearing of gloves if continual contact with skin is occurring. (i.e. multiple applications).

01: Wash your boat to prepare the surface and ensure it is dry, clean and free of any dirt or marks.

02: Avoid application in direct sunlight or wet conditions.

03: Shake bottle before application to a dry surface.

04: Apply 3 or 4 drops of nano polish to an application pad or cloth and using circular motions rub in thoroughly to the painted surfaces.



05: Use enough to ensure even coverage. Usage should be no more than 8 to 10 drops per 1M₂ (approx. 10ft).

06: After 15 minutes, rub down the surface with a clean microfibre cloth to remove any visible residues.

07: Keep dry for at least 1 hour and then give your boat a final buff with a clean microfibre cloth.

08: The polish reaches its optimal performance after 24hrs. Keep boat dry and out of water during this time.

6 Coverage

- Approximately 10 ml/m² (100ml sufficient to cover 10 square metres)
- A 100 ml bottle of Nanoman Boat Polish + Seal is more than enough to treat an average size pleasure craft.

The durability of Nanoman Boat Polish + Seal is dependent on several factors including, the type of cleaning agents used (if any), frequency of cleaning intervals and the mechanical stress applied to the surface. The coating will be more effective on new surfaces and provide protection up to 18 months on these surfaces. Older surfaces; 12-18 months.

Surfactants in cleaning agents and strong consistent mechanical abrasion will affect the coatings life. If the performance of the coating starts to deteriorate, another application coating should be applied.

We recommended you treat your boat every year to give it maximum protection to save you time in the long run.

7 Cure Time

The surface should be kept dry for 60 minutes after application although it is water resistant immediately. It will reach its optimal performance after 24 hours and should be kept dry during this period if possible.

8 Physical Properties

Form:	Liquid
Appearance:	White
Odour:	nearly odourless
Base	SiO ₂ Silica Quartz
Boiling Point:	>100°C
Flash Point:	not applicable
Density:	1.0 +/- 0.03 g/cm ³ at 20 °C
pH (500 g/l H ₂ O):	3.0 – 5.0 (50% in water)

9 Packaging

Nanoman Boat Polish + Seal is available in the following sizes:

- 100ml, 250ml consumer bottles
- 1L, 2L, 5L. bulk containers



10 Shelf Life and Storage

- Unopened original containers can be stored for up to 2 years.
- Used / open containers can be stored for up to 12 months.
- Recommended storage and transport temperature: +5 to +25°C
- Store out of direct sunlight and in a dry environment, away from children.

11 Safety Instructions

The instructions on the Nanoman Boat Polish + Seal Safety Data Sheet must always be followed.

- The wearing of gloves is recommended.
- Do not apply or store in direct sunlight.
- Store in a sealed container and keep away from children
- In the event of eye contact, wash out immediately with water.
- Do not swallow. Seek medical advice if necessary.

12 Surface Maintenance/Cleaning

Once Nanoman Boat Polish + Seal has been applied surfaces will remain cleaner for longer. They will still require the occasional cleaning, however there is no need to use expensive and environmentally unfriendly cleaners and detergents.

To remove, stubborn dirt and grime and to maintain the hydrophobic effect, simply wipe down the surface with water and a damp cloth. The occasional use of warm water and a non-aggressive cleaner to thoroughly clean the boat's surfaces is still required to maintain the car's best look..

Do not use paper towels or abrasive cloths to clean the boat as that may scratch the surface

Nanoman Boat Polish + Seal will provide up to 18 months protection on surfaces in good condition, however we recommend the re-application of the coating every year to give it maximum protection.

13 Disclaimer

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. Users should satisfy themselves that it is suitable for their needs. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. As we cannot control or anticipate the conditions under which this product may be used, each user should review the information in specific context of the planned use. To the maximum extent permitted by law, Nanotech Products Pty Ltd will not be responsible for damages of any nature resulting from the use or reliance upon the information contained in this data sheet. No express or implied warranties are given other than those implies mandatory by law.

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