

# **NANOPROF'S®**

**HOLLAND**

***Keeps fouling at a distance***

After the successful application in the commercial marine market,  
Finsulate® now also offers her patented environmental  
friendly antifouling wrap for use in yachting.

## Finsulate®: Antifouling Performance

- Up to 7 years effective in The Netherlands (panel trials)
- So far 4 years excellent performance in Florida and California
- Applied in many other regions in professional craft
- Excellent performance in fresh water in The Netherlands

*The picture on the back of this card shows a typical example of a panel trial in salt water for Finsulate® Antifouling Wrap. Comparable results are found for the easy-clean wrap in fresh water.*

*Depending on your sailing behavior, intensity and region we can advise the best suitable product. Regardless the choice, the product will last at least 5 years.*

**NANOPROF'S** ®  
**HOLLAND**

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## Finsulate® and the Environment

Current antifouling paints: containing paint	Finsulate®
Toxic compounds (copper and other biocides) leach into the water to kill marine life.	Finsulate consists of fine hairs that prevent fouling from attaching. The hairs are fixed permanently and do not get into the environment.
Paint material dissolves with the biocides in the water and adds to the pollution.	Finsulate wraps stay attached and don't leach into the environment. After use, the material can be recycled.
Antifouling paint contains about 50% solvents (xylene, toluene). These evaporate during application.	Solvents that are used during manufacturing are recycled in the manufacturing process.

*Finsulate® is a breakthrough for the environment as well. Annually, more than 50,000 tons of antifouling paint are leaching into the environment, almost half is coming from yachting. This is 5-10 times more than the annual growth of the plastic soup.*

*With Finsulate® for the first time there is a product that is capable of resisting fouling without toxins, solvents and paint disposal. In case after long mooring, some fouling occurs, this is easily wiped off or removed with 200 bar high pressure wash.*

## Finsulate®: Easy and Clean Application

- Self adhesive film instead of paint
- Adhesion tested up to 30 knots
- No drying times, one single application
- No solvents evaporating

*Finsulate is a revolution compared to traditional antifouling paint. Finsulate is a wrap, not a paint. This makes the application easy and clean: no solvents that evaporate or paint residues at your work spot. After removal of the backing paper, the wrap sticks directly to the hull.*

*First the waterline and keel line are applied as a thin strip of material. Secondly the hull is filled with wider strips from waterline to keel. The wrap is applied with an overlap and the overlap is trimmed off to ensure a seamless covering of the hull.*

*Application is carried out by certified installers. Depending on the location this can be shipyard personnel or external workforce.*

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**sales contact:**

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## Unique film that keeps fouling away from the hull in an environmental friendly way

### Key characteristics:

- Self-adhesive film with micro-fibers. The fibers prevent organisms from reaching the hull surface so they cannot attach.
- Lifetime at least 5 years
- Effective both sailing and moored
- Cost reduction due to extended lifetime compared to traditional antifouling
- Unique in its environmental safety
- Easy and clean application
- Successfully trialed up to 30 knots

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## Finsulate®: Antifouling Performance





A clean ship hull without protection is vulnerable to biological growth.



Soon it is covered by mussels, algae and other organisms. Therefore people use antifouling paint.



Traditional paints provide limited protection and last short. Result: Increased fuel consumption. And reduced speed.



Moreover: the paints are toxic and harm the environment.

## *Finsulate®: the environmental and cost aware alternative!*



The protective wrap Finsulate® insulates the hull by using fine fibers that prevent attachment of algae, mussels and other organisms for extended periods.



Finsulate® provides long term protection, and works both sailing and moored. With a life span of at least five years the annual maintenance is reduced and fuel is saved.



But above all: Finsulate® does not harm the environment!

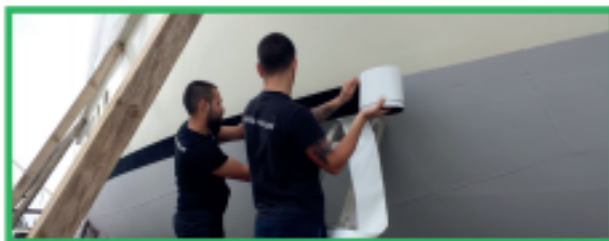
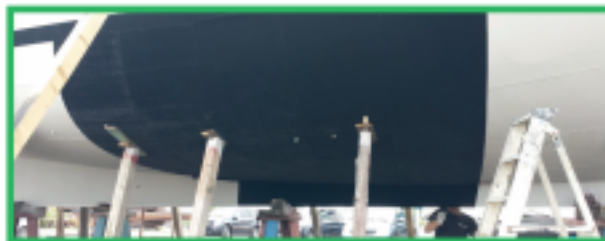
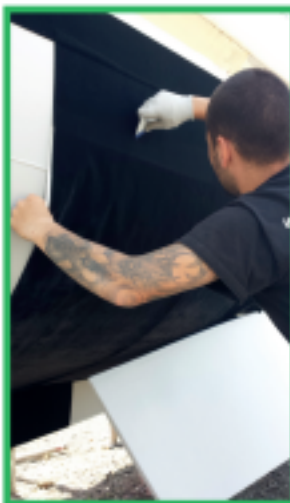
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## *Finsulate®: Easy and Clean Application*



## Finsulate® Products

### Finsulate® Antifouling Wrap

- For highest level of insulation
- Long idle periods
- Anywhere, any sailing conditions except faster planing vessels/yachts

### Finsulate® Speed Wrap

- Optimized for speed
- Easy to clean

### Finsulate® Easy Clean Wrap

- For objects that can regularly be cleaned
- Ideal for fresh water applications
- Anywhere, any sailing conditions

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