

Enjoy the sea,
protect the planet!



 **MaterialSolutions**

MacGlide[™]
Eco-friendly fouling protection and release film

mactac[®] 

The challenge

150 000 tons of antifouling paints are used across Europe each year, and every square metre of applied paint contains around 15g of biocide - capable of contaminating 150 000 m³ of water. It means that such paints cause damage to the marine environment. They also create a need for frequent repainting.

The good news is that helping the environment also improves protection for your boat - with less maintenance and lower overall costs.

High performance MacGlide™ adhesive film is good for your boat, for your wallet, and for marine fauna and flora.

An ecological revolution

From two world leaders:

mactac brand of Avery Dennison - manufacturer of high performance self-adhesive films

PPG supplier of high tech paints and coatings

Mactac and PPG joined forces to create this innovative and non-polluting alternative to conventional anti-fouling treatments.

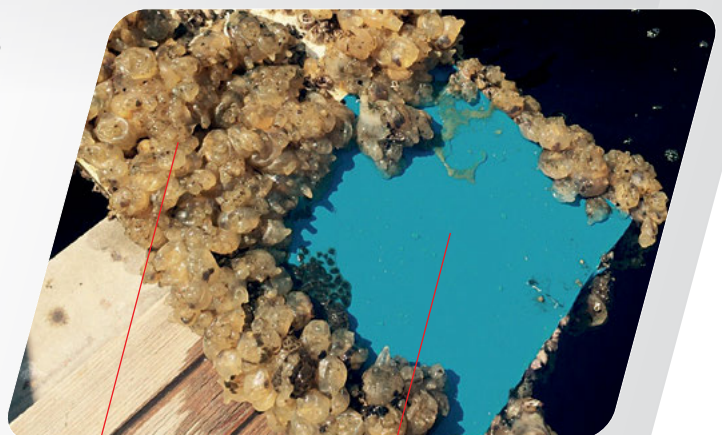
MacGlide™ film offers excellent built-in dirt repelling properties (patented). It

protects your hull from colonisation by marine organisms without using biocides or pesticides - avoiding transport of these micro-organisms between ports across the globe. It means you are helping to protect marine life as well as your boat when you choose MacGlide™ film instead of paint. You are also safeguarding human health in shipyards, by avoiding any exposure to toxic biocides. And because your boat can go further and faster, **MacGlide™ film helps you to enjoy your time at sea more than ever before.**

MacGlide™ fouling protection and release film

- MacGlide™ film is the result of several years of research and development.
- 5 years of tests on sailboats and motorboats in all European waters have shown how effectively the film prevents fouling.
- The material is self-cleaning - most of the fouling may fall off by itself when boats regularly reach speeds of 7-8 knots for more than an hour.

Plate immersed in Istanbul. Static immersion over 3 months



Without MacGlide film

With MacGlide film



« I chose MacGlide™ film because I was already aware that the film was better than paint at stopping marine organisms from fouling the hull, and because I knew that it was a more ecological solution. The film was applied on one of my rudders, with the other rudder left painted. I saw the difference at the end of one year: the painted rudder was very difficult to clean, whereas the one covered in MacGlide™ film had much less fouling, and it was removed very easily. »

Ronan Guerin - France
Skipper Trimaran racing 42 feet



MacGlide™ film application

- MacGlide™ film is a self-adhesive film that suits **all types of boats** (motor and sail) under 40 metres that are designed to reach speeds up to 30 knots.
- Motorboat owners will see **reduced fuel consumption** (typically 5-6% less), and sailors will enjoy higher maximum speeds. The film will last up to five years - compared with 6-8 months for existing anti-fouling agent performance.
- The film performs well in all European waters, and offers **important cost benefits** over its five-year life.

Remark: The silicon nature of the MacGlide™ top layer makes it sensitive to scratches and mechanical shocks. For optimal performance, **regularly clean** the hull and repair the small damaged areas.

Most of our customers have experienced the following **MacGlide™ benefits**



Marine organism protection

MacGlide™ film does not erode in water, and contains no biocide. Movement of micro-organisms from one area to another is made less likely by the excellent anti-fouling performance of MacGlide™ film



Unmatched ease of maintenance

Remove stains with a sponge or soft brush.



Self-cleaning

Most of the fouling may fall off when boats regularly reach speeds of 7-8 knots for more than an hour.



Proven throughout Europe

Suits all types of boats up to 40 metres.



5-year durability

Compared with 6-12 months for toxic anti-fouling agents.



Fuel savings

Use around 5 to 6% less.



Increase Sailing speed

Estimated to 4-5% according to hull design



Economical

Lower maintenance costs over a period of 5 years.



Unmatched gel coat protection

MacGlide™ film is impermeable to water, reducing osmosis and ensuring lower hull moisture content than any conventional antifouling paint solution.



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