

Enjoy the sea,  
protect the planet!



**MacGlide**<sup>™</sup>  
Eco-friendly fouling protection and release film



# 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 m<sup>3</sup> 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.**

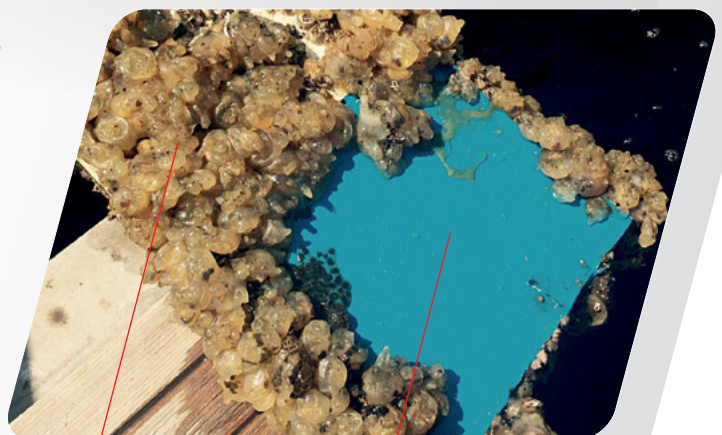
**MacGlide™ film offers excellent built-in dirt repelling properties** (patented). It

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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