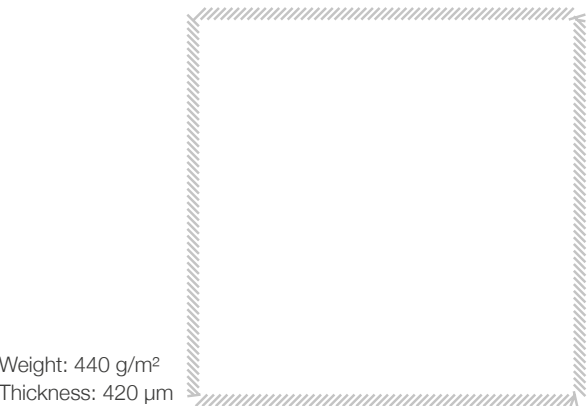
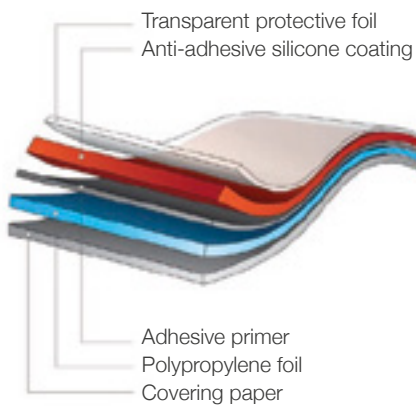


MacGlide ADVANTAGES AT ONE GLANCE.

High-value and even silicone coating in the form of multilayer foils.



Ecological: Protects both the waters and human health.

MacGlide is not washed out in waters and contains no biocides or pesticides. Safe processing.



Self-cleaning.

Fouling will come off by itself, if the ship regularly goes at the speed of 7 to 8 knots.



High durability: At least 5 years.

As compared to six to eight months for toxic anti-fouling paints now available on the market.



5 years warranty.

Under the proviso that MacGlide was applied by a certified company according to the directives of the manufacturer and was regularly maintained and – if necessary – repaired.



Reduction of osmosis-risk.

MacGlide is impenetrable by water and perfectly protects the gelcoat. Ship hulls coated by MacGlide show significantly less moisture than hulls coated with conventional solutions for anti-fouling protection.



Incredibly easy maintenance.

Due to the high-value MacGlide silicone coating, dirt can be removed very easily with a sponge or a soft brush.



Low-cost repairs.

No matter whether small damages or bigger areas: MacGlide can always be repaired by a professional.



Better gliding and lower weight.

The specific qualities of MacGlide lead to a reduction of fuel-consumption of 5 to 6 % and increases the speed when sailing.



Effective in all waters of Europe.

MacGlide was successfully tested in all waters of Europe and with all types of ship after development under practical conditions and on a long-term basis.



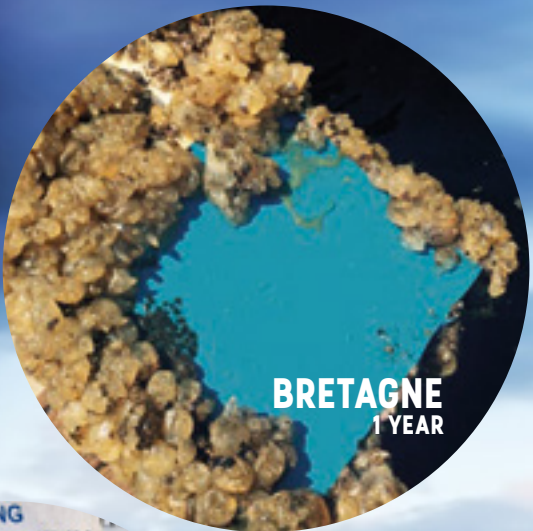
Optimal value for money.

MacGlide is more cost-efficient than a conventional antifouling-application or an expensive refit.

PROVEN EFFECTIVENESS.

SUITABLE FOR ALL TYPES OF BOATS AND YACHTS (SAILING OR MOTOR) WHICH:

- Have a maximal length of 40 m
- Don't go at a speed of more than 30 knots
- Are not slipped
- Have no wooden hull
- Don't fall dry



Are you looking for a competent partner?
Do you have questions?
We are looking forward to speak to you.

YOUR CONTACT:

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E-MAIL info@ll-yachting.com
Porscherling 4 | D-24568 Kaltenkirchen

WE CAN ALSO BE FOUND IN THE SOCIAL MEDIA

- www.facebook.com/yachtfolierung
- www.instagram.com/yachtwrapping
- L+L Yachting

www.ll-yachting.com

MacGlide is a product of:



MacGlide

THE INNOVATION FOR ANTI-FOULING-PROTECTION

BIOCIDE-FREE AND PESTICIDE-FREE,
MULTILAYER NON-ADHESIVE FOIL ON SILICONE-BASIS

ECOLOGICAL | ECONOMICAL | COMFORTABLE
REPAIRABLE | NON-TOXICAL

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THE FACTS:

German aquatic sports areas.

About 20 million Germans spend their free-time or their holidays at the sea or either on or in the water. Around 80% of the Germans between 14 and 70 years of age are interested in activities relating to aquatic sports or aquatic tourism, according to recent polls.

And these activities are becoming more and more multifaceted: Today a wide range of aquatic vehicles are available, including big passenger boats and ships, house boats, pedal boats, sailing ships and rafts.

“Traditional” sports such as canoeing, paddling, sailing, windsurfing or swimming and diving are becoming more and more popular. They are supplemented by “trendy” sports such as stand-up paddling or kite-surfing.

Spending leisure-time on the water is becoming more and more fashionable in all regions of Germany, especially due to the elimination of bureaucratic obstacles such as licence regulations charter certificates and others.

THE „AQUATIC SPORT AREA“ GERMANY INCLUDES:

- | A network of 7300 kilometres of waterways and numerous lakes.
- | Around 2300 kilometres of coast (North sea and Baltic sea)
- | Around 23000 square kilometres seawaterways.
- | Around 6 million people engaged in water-sports, most of whom are members of clubs.
- | Around 500.000 sport and leisure boats > 8 m (26'), circa 37% motor-yachts, 27% open sports boats, 36 % sailing yachts.
- | More than 3000 harbours and managed berths.
- | More than 2500 clubs.

THE PROBLEM:

„Conventional“ antifouling-protection.

As the previous data show, many people with many different interests and activities are sharing the aquatic area in their freetime or their holidays.

The knowledge about substances that are damaging or toxic for humans or for the environment has grown significantly over the last few decades. More and more questions are being asked about products on offer and their use.

Several European countries have already passed legislation either restricting or forbidding the use of biocide- or pesticide-containing antifouling-paints in waters. Presently the European Parliament is preparing unified directives and guidelines for all member states, based on several research projects.

Apart from this, also the serious information policy by associations and clubs as well as by the technical press has caused a change of view on the part of boat-owners when it comes to the choice and use of antifouling.

This is because biocide- or pesticide-containing paints cause severe damages not only in the ecosystems of fresh- and salt-water, but also to the health of the people processing these paints or who come near to them, no matter whether they do so on water or on land.

SOME FIGURES * CONCERNING THIS:

- | According to the EU-commission, every year 150000 tons of biocide-containing antifouling-paints are used in Europe for sports and leisure boats.
- | Around 30000 tons are used in Germany.
- | 10.000 cubic metres of water are contaminated by 1 g biocide.
- | 1 square metre conventional antifouling-paint on the hull of a boat contains ca. 15 g biocide.
- | A boat of 10 m length and 25 square metres antifouling paint severely contaminates ca. 3,75 million cubic metres of water (roughly a lake of 800 m length, 450 m width and 10 m depth).

*) These data refer to the antifouling-paints currently legally in use.

THE SOLUTION:

Silicone – foiled and not painted.

As regards cost, ecology and effectiveness, silicone-based antifouling-protection will – according to recent studies – gain the highest market-share and demand for sport and leisure boats, as compared with other technologies*.

WHY FOIL?

High-value silicone can only poorly processed in a liquid state. In connection with air silicone dries out very quickly, which makes it virtually impossible process it cleanly and evenly by painting the hull with a roll or a similar device, especially since the order has to be processed at high speed.

Spray coating with silicone is also quite costly and only applicable for absolute professionals. Here special coating halls and excessive preliminary work would be necessary. When silicone is sprayed, about 30% of the paint will fly off with a high spreading into the environment and contaminate both humans and the environment. Facial masks and protective suits are an absolute must when it is processed – since silicone is not dissipated by the human body.

Silicone sprays have the same effect – and are thus completely unsuitable for processing in a winter-camp or in the hall of a shipyard.

High-performance silicone-foils of the premium segment which have been produced in closed production-systems are convincing because of their perfect and always constant coating strength and quality. The environment is not polluted by the production process.

Foils can be applied, mended and removed easily with very little preliminary and subsequent work – and don't release any damaging substances.

Foils facilitate an antifouling-protection for nearly every demand.

WHY MACGLIDE?

MacGlide offers decisive advantages, as compared with competitors:

The carrier material consists of polypropylene and not of PVC, therefore it is nearly impenetrable. Silicone and adhesive glue therefore cannot influence each other by amalgamation and change or eliminate each other's qualities.

The polypropylene-carrier reduces moisture between foil and gel-coat (osmosis protection).

MacGlide offers optimal sealing of foil edges as well as the possibility to coat all areas that cannot be foiled due to their shape with a paint.

MacGlide is a product of mactac /Avery Dennison and PPG, a worldwide business leader, and offers a uniquely high quality and durability.

*) For example, electrochemical processes, anti-adhesive surfaces with special structures, paints with nano-structures and catalytical technologies and the like.

L+L YACHTING
DEIN BOOT, DEIN STIL, DEINE FARBE

is an authorized and certified sales partner
of **mactac** Europe.

SCAN –
AND GO.

