

MacGlide™ Foil

PRODUCT DESCRIPTION

MacGlide™ Foil is an innovative self adhesive with excellent fouling protection and release properties that can be used as a biocide-free alternative to conventional anti-fouling paints. MacGlide™ Foil protects the boat hull from colonisation by marine organisms, avoiding engine stress, lower speeds and transport of these micro-organisms between ports across the globe.

Face Material: Anti-adherent composite film (silicone technology) with a blue protective film on top, to be peeled-off after boat installation

Adhesive: High Tack acrylic, resistant to seawater

Liner: White Kraft paper, 135 g/m²

TYPICAL USE

All kinds of leisure boats (sailing and motor boats) having a length less than 40 meters and navigating at a speed lower than 30 knots. MacGlide™ Foil is suitable for gelcoat, aluminium and steel boats. It is not suitable for boats made in wood or with apolar plastics (PE, PP, ABS,...).

Mactac does not recommend the trailer transportation of boats covered with MacGlide™ Foil (the product may be damaged by mechanical friction).

NB: If MacGlide™ Foil is applied on a gelcoat boat affected by osmosis, some bubbles may appear under the foil due to substrate degassing. Boats with more than 5% osmosis should be cured before MacGlide™ Foil installation.

COLOURS

MacGlide™ Foil is available in different colours:

- Black
- Light Grey (RAL 7035)
- Sea Blue (RAL 5005)

PROCESSING

The hull surface must be clean, dry and degreased with isopropyl alcohol or Mactac

Cleaner™.

Special cases

- Motor boats with chines: do not apply MacGlide™ Foil on these edges. Use MacGlide™ Primer and Top Coat on these areas.

- Steel boats & aluminum boats: coat epoxy paint MacEpoxy™ as described in its data sheet.

Important remarks

Fouling:

As MacGlide™ products are biocide-free, a small amount of fouling can develop on the hull if the boat is not sailing frequently enough or at a speed lower than 7-8 knots. This fouling will be easy to clean with a soft brush or a non-abrasive sponge.

Discoloration

In presence of dust, pollens, air pollution, a slight discoloration of the MacGlide™ Foil could be noticed at the waterline level especially when working with light colours of MacGlide™ Foil.

Lifting the boat in/out of the water :

Avoid direct contact between the lifting straps and MacGlide™ Foil, otherwise the friction may damage the product. We recommend using a thick, soft substrate (e.g. 10 cm thick HDPE foam) in between the lifting straps and MacGlide™ Foil.

If a boat wrapped with MacGlide™ foil remains out of water, general dust may strongly adhere on MacGlide™ foil surface. If the boat is lifted back in water in such a state, fouling will quickly appear and will remain strongly attached to the general dust. To prevent this from happening, clean the boat with a soft sponge and water + shampoo before lifting back to water.

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

Please refer to our installation guide "MacGlide Foil - Installation Procedure" for more detailed information.

SHELF LIFE

2 years when stored at 15 to 25°C and ± 50 % relative humidity (in the original packaging).

PHYSICAL PROPERTIES (TYPICAL VALUES)

Average Values Test Method

| Thickness | | |
|--------------------------|----------------------|---------|
| Film + Adhesive | 450 µm | ISO 534 |
| Weight | | |
| Film + Adhesive | 470 g/m ² | ISO 536 |
| Face Material data, 23°C | | |

| | | |
|--|-------------|---------------|
| Tensile Strength (N/15 mm) | > 22 | DIN ISO 527-3 |
| Elongation at Break (%) | > 100 | |
| Adhesive data, 23°C (N/25 mm) | | |
| Peel adhesion 180° on stainless steel | | |
| - 20 min. residence | 12 | FTM1 |
| - 24 hour residence | 14 | |
| - 1 week residence | 16 | |
| Dimensional stability | | |
| Shrinkage (48 hours at 70°C applied on Aluminium) | max. 0.3 mm | FTM14 |
| Temperature ranges | | |
| Minimum (°C) | 10 | |
| Service (°C) | +3 to + 30 | |
| Chemical resistance | | |
| MacGlide™ Foil is resistant to most oils and fats, gasoline, diesel, aliphatic solvents, salts, weak acids and alkaline. | | |

for negligence, breach of contract, misrepresentation or otherwise, shall in no circumstances exceed the price of the defective, non-conforming, damaged or undelivered Products which give rise to such liability as determined by net price invoices to Purchaser in respect of any occurrence or series of occurrences. In no circumstances shall Avery Dennison be liable to Purchaser for any indirect, incidental or consequential loss, damage or injury, including without limitation, loss of anticipated profits, goodwill, reputation, or losses or expenses resulting from third party claims.

EXPECTED DURABILITY

Up to 5 years in European waters (Geographical European zone), commencing as of the date of application.

DISCLAIMER

For more information on the durability and exposure please visit the “Mactac Technical Bulletin TB 7.5 Outdoor Durability of Mactac Graphics - Self-adhesive films” on the [www.https://www.mactacgraphics.eu](https://www.mactacgraphics.eu) website.

Avery Dennison warrants that its Products meet its specifications. Avery Dennison gives no other express or implied guarantees or warranties with respect to the Products, including, but not limited to, any implied warranties of merchantability, fitness for any particular use and/or non infringement. All Avery Dennison products are sold with the understanding that the purchaser has independently determined the suitability of such products for its purposes. The period of warranty is one (1) year from the date of shipment unless expressly provided otherwise in the product data sheet. All Avery Dennison's products are sold subject to Avery Dennison's general terms and conditions of sale, see <http://terms.europe.averydennison.com>. Avery Dennison's aggregate liability to Purchaser, whether