

MacGlide™ Foil

Sail responsibly

□ Construction

LINER 1	Blue protective film, to be peeled-off after boat installation
FACE MATERIAL	Anti-adherent composite film (silicone technology)
ADHESIVE	High Tack acrylic, resistant to seawater
LINER 2	White Kraft paper, 135 g/m ²

□ Advantages

- Environmentally Friendly: MacGlide™ Foil contains NO biocides and will not have a negative impact neither on aquatic fauna and flora if applied to the boat hull nor on humans during manipulation
- Easy hull maintenance: fouling settling on moored boat can easily be removed with a wet soft brush or with a wet non-abrasive sponge.
- Self-cleaning: if the boat sails frequently and at a speed higher than 7-8 knots, most of the fouling will be self-released from the hull.
- Long-term efficiency: fouling release properties will last up to 5 years.
- Improved gliding thanks to the smooth silicone surface, and reduced fuel consumption (for motor boats).
- Waterproof, MacGlide™ Foil protects the hull and reduces risks of osmosis for gelcoat boats.

□ Colours

MacGlide™ Foil is available in different colours :

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

□ Application surface

All kinds of boats (yachting, commercial) 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. 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.

□ Application Method

- The hull surface must be clean, dry and degreased with isopropyl alcohol or Mactac Cleaner™.
- If a traditional anti-fouling paint has already been applied on the hull, this must be completely removed before applying MacGlide™ Foil.
- Apply MacEpoxy™* Primer Paint
- Apply MacGlide™ Foil with the dry method, without leaving bubbles or folds, with transversal stripes and without leaving overlapped areas.
- Remove the MacGlide™ protective sheet preferably at an angle of 90°.
- Seal edges with MacGlide™ Primer & Repair and MacGlide Topcoat.
- Wait 24 hours if the temperature is 20°C or 48 hours if the temperature is 10°C before lifting the boat back into the water.

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

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. Degrease with isopropyl alcohol just before MacGlide™ Foil application.

□ Boat maintenance

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.

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 for a couple of weeks, 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.

□ Expected Durability

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

□ Shelf Life ⁽¹⁾

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

(1) The life of the product unused and commencing as of the date of shipment

□ Chemical resistance

MacGlide™ Foil is resistant to most oils and fats, gasoline, diesel, aliphatic solvents, salts, weak acids and alkaline.

□ Physical Properties

	TYPICAL VALUES	TEST METHOD
Adhesive data, 23°C Peel 180° on stainless steel (N/25 mm) - After 20 minutes - After 24 hours - After 1 week	12 14 16	FTM 1
Dimensional stability shrinkage: 48 hours at 70°C (applied on aluminum)	Max 0.3 mm	FTM 14
Temperature ranges Minimum application temperature: Service temperature range	+ 10°C +3 to + 30°C	
Film characteristics Tensile strength Elongation at break	> 22 N/15 mm > 100%	DIN ISO 527-3
Thickness (film + adhesive) Weight (film + adhesive)	450 µm 470 g/m ²	ISO 534 ISO 536

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