

MacGlide™ Foil

Sail responsibly

→ Construction

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

→ Advantages

- Environmentally Friendly : MacGlide Foil contains NO biocides and will not have a negative impact on aquatic fauna and flora or human manipulating it.
- 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 : the fouling release properties will last up to 5 years.
- Improved gliding thanks to the very smooth silicone surface, and reduced fuel consumption (for motor boats).
- Waterproof, MacGlide Foil protects the hull and reduces risks of osmosis for gelcoat boats.

→ Application surface

All kind 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 doesn't recommend to transport with trailers 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.

→ Application Method

- The hull surface must be clean, dry and degreased with isopropyl alcohol (or MACcleaner).
- If a traditional anti-fouling paint has already been applied on the hull, this must be completely removed before applying MacGlide Foil.
- Apply MacGlide Foil with the dry method, without leaving bubbles or folds, with transversal stripes and without leaving overlapped areas.
- Wait 24h if the temperature is 20°C or 48 hours if the temperature is 10°C before lifting the boat back into the water.

Special cases :

- Motor boats with shims : do not apply MacGlide Foil on these edges. Use MacGlide Primer and Top Coat on these areas.
- Steel boats: coat a layer of Epoxy primer type PPG SIGMASHIEL 620 (or equivalent) on the steel. Allow this epoxy primer to dry as defined in manufacturer's data sheet, then degrease it with isopropyl alcohol prior to application of MacGlide Foil.
- Aluminum boats: coat a layer of PPG SIGMACOVER 280 primer (or equivalent), then a layer of PPG SIGMASHIELD 620 (or equivalent) as defined in manufacturer's data sheet, then degrease with isopropyl alcohol before application of MacGlide Foil.

→ 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 very easy to clean with a soft brush or a non-abrasive sponge.

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 plastic sheet in between the lifting straps and MacGlide.

→ Expected Durability

5 years in European waters

→ Shelf Life

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

→ 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) <ul style="list-style-type: none"> - 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

IMPORTANT NOTICE

All Mactac products are subject to careful quality control throughout the manufacturing process and are warranted to be of merchantable quality and free from manufacturing defects.

Published information concerning Mactac products is based upon research which the Company believes to be reliable although such information does not constitute a warranty.

Because of the variety of uses of Mactac products and the continuing development of new applications, the purchaser should carefully consider the suitability and performance of the product for each intended use, and the purchaser shall assume all risks regarding such use. The seller shall not be liable for damages in excess of the purchase price of the product nor for incidental or consequential damages.

All specifications are subject to change without prior notice.

TECHNICAL SUPPORT



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