

Miko Marine FlexiShape Plaster



Miko Marine Norway Miko FlexiShape Plaster

FlexiShape Miko Plaster® is intended for repair of hull damages below the waterline from groundings or collisions. It is stapled to the hull using either the Underwater Fastener or the Miko Fix. The temporary and quick repair is carried out while the ship is afloat.

The outer layer is a polyester-reinforced PVC matting, strong enough to carry the weight of an average car with a 50 mm wide stripe. The inner layer is a Kevlar fabric, similar to bullet proof vests, which protects the patch from sharp edges on the damaged hull. The material is flexible to follow the hull curvatures. The rubber stripes along the edges help improve the seal when pressed against the hull surface by the fasteners.

The patches are produced in Norway and standard sizes can delivered quickly to site in urgent situations. Standard sizes are available in the Salvage Kit together with supplementary tools for installation. Customized patches are supplied in any shape and size. Send enquiry for more information.

Installation Principle:

The FlexiShape Miko Plaster is lowered into the water and positioned over the damaged area by divers. MPM-002 Miko Permanent Magnets are used to hold it in position.

The MikoFix Underwater Drill System is used to screw the selftapping bolts through the Aluminium Bars to secure the patch in place.

Once the patch is secure and covers all of the damaged area, the water or oil can be pumped out from the inside. The FlexiShape Miko Plaster® is reinforced with several layers of Kevlar similar to bullet proof vests to protect it from puncturing. If used correctly it will follow the curvature of the hull without being damaged and will enable the vessel to be re-floated and towed to safety.

Mechanical properties:

Thickness:	2,0 mm
Weight in air:	3,0 kg/m ²
Weight in water:	Neutral (approx.)
Max. temperature:	120° C
Stretch strength:	8500 N/5cm
Shear strength (DIN 53356):	1500 N
Welding strength (DIN 53356):	1500 N

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