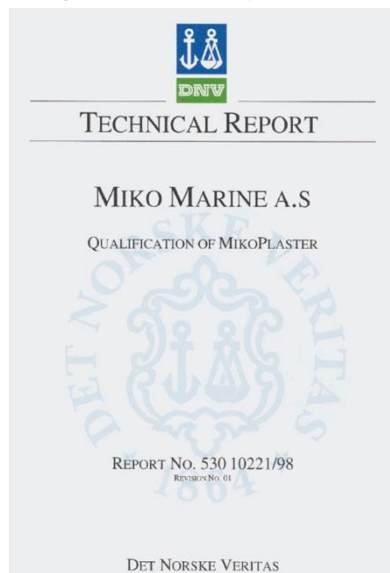


## Miko In Water Repair Tanker Kit Light

The patented Miko Plaster® is used for sealing off openings, such as “sea-chests”, water inlets and outlets on all types of floating structures. The provision of temporary, but reliable and watertight seals below the waterline is required for “in-water” repair (IWR) or survey of the ship while she is afloat. As a result of establishing test criteria, developing a test program and thorough witnessed tests, the Miko Tanker Kit is qualified by the classification society “Det Norske Veritas” (DNV) German Lloyd (GL). Tanker Kits are supplied to shipyards and ship-owners and follow many new buildings with the “In water Class notation”. The Tanker Kit contains equipment facilitating the operator of the vessel with the necessary tools for a fast, reliable and cost saving alternative to a docking operation. The kit also includes tools for the event of emergencies, such as oil spills, grounding and cracks. The Tanker Kit is supplied for new buildings, diving companies, navy’s, underwater contractors and ship owners and managers worldwide. The net weight of the patch in water may be adjusted to the clients specific needs. Based on our experience, most Miko Plaster® are now delivered with slightly positive buoyancy.



### Save millions of dollars and valuable time !

The Tanker kit is qualified by the Classification society **DNV**. Our operational experience is implemented and can be recognized in the details of the Kit. The combination of the formal qualification, the tools and the arrangement of them offers the operator a safe, efficient and cost effective operation



### Content of a Tanker Kit is:

- 1 pcs. Miko Plaster® 2,50 x 2,25m. Neutral buoyancy + 1 pcs. Miko Plaster® 1,25 x 0,90m
  - 1 pcs. Buoyancy element: 2,30m
  - 1 pcs. Box containing:
    - 10 pcs. Super Strength Magnets MPM-002
    - 4 pcs. Miko Anchor Magnet - MAM-001
    - 4 pcs. Handling ropes MHT-002
    - 2 pcs. Handling tools for MPM-002
    - 1 pcs. Installation manual
    - 1 pcs. Storage and Handling manual
    - 1 pcs. DNV Technical report no. 530 1022/98
- Qualification of Miko Plaster®.

1: Miko Anchor Magnets described in detail in a separate datasheet.

2: 10 m Handling ropes with Pelican Hooks in Stainless steel to coincide with the Lifting Lugs welded onto the Miko Plaster® for flexible handling.

3: Handling tool in stainless steel (Non-magnetic) for the MPM-002 permanent magnets.

4: A 10 mm thick Floatation element is temporary fastened to the patch by Velcro. This combination offers one operator easily to install the Miko Plaster® on a flat bottom plating on the underside of a floating vessel. Ideal also for emergency response following a grounding or similar. The Velcro solution offers a larger variety of applications.

5: Stainless steel brackets for easy handling of the buoyancy / storage drum.

6: All handling tools are adjusted to and contained in a Peli-case shock resistant and watertight case. Magnets are packed in double steel boxes and prepared for air freight.

Size: (L x B x H )

59.1 x 52.7 x 22.9 cm. Weight 48 kg (packed)

### Installation principle

The drum is used for the storage and transportation of the Miko Plaster®, as well as for its installation. Both the drum and the larger patches are close to neutral buoyancy in water.

One MAM-001 Miko Magnet is placed outside each corner of the sea chest or opening to be patched.

The drum is lowered into the water from the deck by using the handling ropes, while the diver positions it correctly. With the two first corners secured to a MAM-001, the Miko Plaster® is rolled out of the drum. The diver can easily re-position the patch if necessary.

The last two corners are secured to other MAM-001 once the patch is completely rolled out in the correct position.

The MPM-002 Miko Permanent Magnets are placed on top of the patch to further increase the seal and to prevent it from being peeled off by any current

