

LIFEBOAT REPAIR KIT USER MANUAL

T-ISS™ safety suppliers

a Heijboer Safety Group company

T-ISS Lifeboat Repair Kit

The T-ISS Lifeboat Repair Kit is a high-quality, solvent-free epoxy repair system designed for robust and reliable repairs on various materials. When paired with Glasmat, Chop Strand Mat, or Glass Cloth, this kit is perfect for restoring cracked, damaged, or hollow GRP (Glass Reinforced Plastic) surfaces. Whether you're dealing with structural damage or surface imperfections, the Lifeboat Repair Kit offers a durable and effective solution, ensuring your repairs stand the test of time.

The T-ISS Life Boat Repair kit contains the following items:

- 2x Resin and Hardener 250 gr.
- Glass mat 1.0 m2
- Cupp glaspearls 35 gr.
- Cellophane 300mm x 2m
- Sandpaper
- Brush 50mm
- 2 Stirringsticks
- 2 mixcups
- 5 pair disposable gloves
- Instruction Manual & MSDS



Technical Data

Adhesion Tensile Shear to ASTM D1002:	210 bar
Compressive Strength Tested to ASTM D695:	1034kg/cm2 (14.500psi)
Flexural Strenght Tested to ASTM B790:	912kg/cm2 (13.600psi)
Hardness (once fully cured):	100 Rockwell R

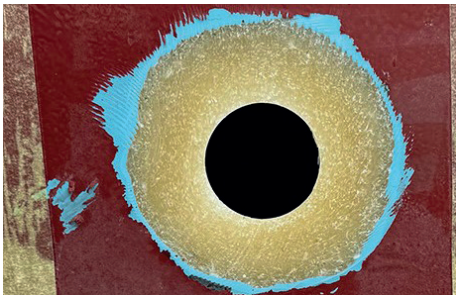
The T-ISS Lifeboat Repair Kit XL Resin should be applied to the prepared surface with a stiff brush for a uniform coating, avoiding excessive buildup or ponding. On rough surfaces, work the product thoroughly into the substrate. Extend the cleaned areas approximately 100–150 mm onto the undamaged hull, thoroughly abrade the 'gel coat,' and level any hole edges for optimal adhesion. Degrease and abrade other surfaces, removing dust with a vacuum cleaner.

Article number	Description	Dimensions	Weight	IMPA
LBR-KIT	Lifeboat repair kit	370 x 250 x 200 mm	Approx. 2,2 kg	330287

How to Use

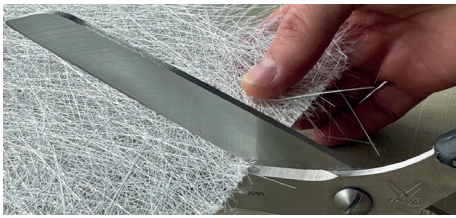
Step 1: Prepair the surface

Grind, saw or sand away all loose parts and make a bevel of at least 10:1. Remove the dust to create a clean surface amenable to resin adhesion. Use cardboard, wood or plastic as temporary support in the hole. Put packing tape on the support if it needs to be removed later on.



Step 2: Cut the glass mat to size

Tear or cut the glass mat to the size of the repair. Each layer adds 0.5 mm thickness. Use as many layers as necessary to restore the original thickness.



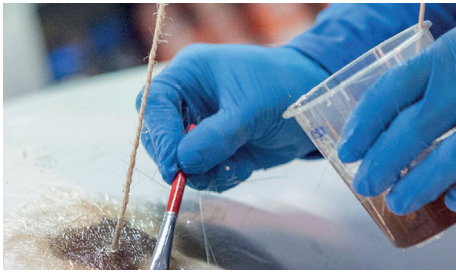
Step 3: Prepare polyester resin

Mix the hardener with the polyester resin. If you don't want to empty the entire can at once, mix the resin with 2% hardener. For example, 50 grams of resin and 25 drops of hardener.



Step 4: Repair the hole

Apply laminating resin to the hole and place glass mat in it. Saturate with polyester resin. Use a brush for tamping air out of the glass mat. Use loose glass fibres to make a paste for repairing cracks (optional). Apply the next layer of glass mat wet-on-wet. Repeat this until the desired thickness is achieved.



Step 5: Let it cure and finish the repair

Allow to cure for at least 24 hours and finish the repair as desired; with topcoat, DD Paint or antifouling.



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