

## Unique Polymers Engineering Repair Lifeboat Repair Kit TRK 17000

UPS Lifeboat Resin Kit TRK 17000 contains high performance, low viscosity, 100% solids materials designed for use as a resin repair for polyester resin laminated hulls of lifeboats and liferafts.

This kit contains UPS Lifeboat Resin TRK 19001 which consists of a unique blend of epoxy resin combined with polyamino amine adducts, which have been specifically selected to provide the optimum level of penetration, adhesion and overcoatability.

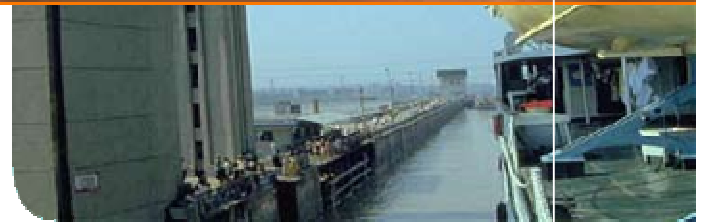
This material is easy to use and because of its adhesion properties it can also be used to effectively repair metals, wood, glass and synthetic materials.

The materials are supplied as a kit contained in special watertight packaging to meet accepted marine industry standards.

- Full Range Of Accessories Supplied In Kit
- 100% Solids Coating
- Excellent Adhesion & Penetration Properties
- Excellent Overcoating Properties

V.O.C.  
FREE

# GRP repair & reinstatement



### Unique Polymers LIFEBOAT RESIN TRK 19001

#### PHYSICAL CONSTANTS

Mixing Ratio:	3:1 Part A:Part B (by weight)
Appearance:	Part A: Clear Liquid Part B: Clear Liquid
Pack Size:	330gm units
Volume Solids:	100%
V.O.C.:	Nil
<b>Drying &amp; Cure Times at 20°C (68°F)</b>	
Usable Life:	30 mins
Touch Dry:	4 hours
Hard Dry:	16 hours
Full Cure:	7 days

#### PHYSICAL PROPERTIES

Flexural Strength ASTM D790	754 kg/cm <sup>2</sup> (10730 psi)
Compressive Strength ASTM D695	660 kg/cm <sup>2</sup> (9420 psi)
Tensile Strength ASTM D1002	446 kg/cm <sup>2</sup> (6380 psi) (Grit Blasted Steel)
Heat Distortion ASTM D648	47°C (116°F)
Hardness (Shore D) ASTM D2246	80

#### Theoretical Coverage Rate

3m<sup>2</sup>/unit @ 100 microns dft (33 ft<sup>2</sup>/unit @ 4 mils dft)

#### Features & Benefits

- Ideal For Repairs To Cracked Or Holed GRP Hulls & Structures
- Contains 100% Solids Resin And Hardener
- For Use Out Of The Water
- Supplied In Watertight Container



## Unique Polymers Lifeboat Resin TRK19001

### INSTRUCTIONS FOR USE

#### SURFACE PREPARATION

All surfaces must be clean, dry and free from oil, grease and loose material.

#### Laminated Surfaces

Clean up the damaged area, both internal and external. Extend the cleaned up areas approximately 100-150mm (4"-6") all round onto the undamaged hull. The "gel coat" on the outside of the hull should be thoroughly abraded. The edges of any holes should be levelled to obtain the best possible adhesion.

#### Other Surfaces

Surfaces should be thoroughly degreased and abraded with any resulting dust being removed by vacuum cleaning.

#### MIXING

UPS Lifeboat Resin TRK19001 is a two component material consisting of a part A resin component and a part B liquid hardener component. The resin component should be poured into a suitable mixing container and the hardener added and thoroughly stirred until a homogeneous mix is obtained.

The mixed material should be used within 30 minutes of mixing at 20°C (68°F). This time will be reduced at higher temperature and extended at lower temperatures.

#### APPLICATION

UPS Lifeboat Resin TRK 19001 should be applied to the prepared surface by stiff brush or roller to give a uniform, even coating taking care to avoid excessive build up and ponding. On rough, pitted surfaces the product should be worked into the surface to ensure complete wetting of the substrate.

These are two basic repair methods, which are both dependant on access to both sides of the damaged hull being obtainable.

#### Method 1

This is based on the approach to be taken when the repair is to be effected from the outside with or without a "former" being applied to the outside.

#### Method 2

This is based on the approach to be taken when the repair is to be effected from the inside with a "former" being applied on the outside.

Unique Polymers LIFEBOAT REPAIR KIT TRK 19001

APPLICATION MANUAL FOR DETAILED METHOD INSTRUCTIONS.

#### Important Notice

All statements, technical information and recommendations related to UPS's products are based on information believed to be reliable but the accuracy or completeness is not guaranteed. Before using these products, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in UPS's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorised officer of UPS.

Corrosion Protection Products

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### Unique Polymers LIFEBOAT REPAIR KIT TRK 17000 Kit Components

UPS Lifeboat Resin TRK 19001	330gm	3
UPS Glass Mat	0.5m2	1
UPS Surface Tissue	0.35m2	1
UPS Cellophane	250mm x 2.5m	1
Brush	1"	1
Stirring Tool	-	1
Disposable Gloves	pair	1
UPS Barrier Cream	110gm	1
UPS Resin Removing Cream	100gm	1
Detailed Application Instruction Booklet	-	1

#### UPS Lifeboat Resin TRK 19001

This material can be purchased separately in a pack of 10 x 330gm units to top up your UPS Lifeboat Repair Kit TRK 17000.

As long as normal good practice is observed UPS Lifeboat Repair Resin TRK 19001 can be safely used. Protective Gloves should be worn. A full detailed Material Safety Data Sheet will be included with delivery of the material or made available on request.

