

Unique Polymer Systems

Epoxy Lifeboat Resin TRK 19001



UniquePolymerSystems.com

The Engineer's Choice

... for Solutions

Data Sheet and Application Guide

Product Description

Unique Polymers Epoxy Lifeboat Resin TRK 19001 is a high performance, low viscosity coating designed for use as a resin repair system for polyester resin laminated hulls of lifeboats and liferafts.

Product Features

- Simple and easy to use.
- Is also suitable for use on metal, wood and synthetic materials.
- Apply by stiff brush or roller.

General Application Steps

1. All surfaces must be clean, dry and free from oil, grease and loose material.
2. Apply Unique Polymers Epoxy Lifeboat Resin TRK 19001 as required.
3. Allow to cure.

Properties

Property	Value
Ratio	3:1 by weight
Drying & Cure times at 20°C (68°F)	
Usable Life	30 minutes
Touch Dry	4 hours
Hard Dry	16 hours
Full Cure	7 days
Volume Solids	100%
Specific Gravity (Average Mixed)	1.08
Film Thickness (Typical)	Wet/Dry 100 microns.
Theoretical Coverage Rate	3 sq metres per unit at 100 microns dft.

Application Procedures for Unique Polymers Epoxy Lifeboat Repair TRK 19001

Surface Preparation

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

Laminated Surfaces: Clean up the damages area both internal and external. Extend the cleaned 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 bevelled to obtain the best possible adhesion.

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

Metal Surfaces: All loose material, rust and surface contaminants, including existing coatings, must be removed and the surface roughened by using an angle grinder, needle gun or abrasive blasting. Where grinding or needle gunning is used, the surface should be cross-scored to improve adhesion. Care must be taken, when angle grinding, to avoid polishing rather than roughening metal surfaces.

GRP and Wooden Surfaces: All loose or rotten material must be removed to a sound edge. Flaking paint or lacquer scraped clear and sound paintwork thoroughly sanded to provide an effective key.

Where it is not possible to clean the surface thoroughly the application of a coating of Unique Polymers Epoxy General Repair TRK 19002/3 could possibly improve the bond of the final repair.

Product Mixing

Unique

Polymers Epoxy Lifeboat Repair TRK 19001 is a two component material consisting of a Part A (Base) component and liquid Part B (Activator) 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.

Handling and Safety Precautions

Read all health hazard, precautionary and first aid statements found in the Material Safety Data Sheet, and/or product label prior to handling or use.

Important Notice

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

Warranty; Limited Remedy; Limited Liability.

UPS warrants that the Unique Polymers will conform to UPS published specifications upon shipment. If the product is proven not to have met the specifications your exclusive remedy within 12 months of sale by UPS of the product and UPS sole obligation will be, at UPS option, to replace the Product or to refund the purchase price of the Product. Except where prohibited by law, this warranty is made in lieu of all other warranties, express or implied, including, but not limited to, any implied warranty of suitability or fitness for a particular purpose, or those arising from a course of dealing, custom or usage or trade.

UPS has no obligation under this warranty with respect to any product that has failed due to inadequate or improper storage, handling, surface preparation, application, or maintenance; failure to follow product instructions or recommendations or alteration or damage to the Product caused by accident, neglect, or misuse. OTHER THAN IN THE CASE OF DEATH OR PERSONAL INJURY CAUSED BY ITS NEGLIGENCE AND EXCEPT WHERE PROHIBITED BY LAW, IN NO EVENT SHALL UPS BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL LOSS OR DAMAGES (INCLUDING LOST PROFITS) ARISING FROM THIS PRODUCT, REGARDLESS OF THE LEGAL THEORY ASSERTED.

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

Application Procedures

Unique Polymers Lifeboat Resin 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.

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

Method 1 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 on the outside.

Method 2 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.

Clean all equipment immediately after use with Unique Polymers Thinners SA65.

Packaging and Storage

Supplied in 0.330kg packs. Use within 5 years of date of manufacture. Store in original sealed containers at temperatures between 5°C and 32°C.

Ordering Information/Customer Service

For ordering, technical and product information or to request a copy of the Material Safety Data Sheet, call +44 (0)1531 636300

Unique Polymer Systems LTD
Unit 1 Bankside Industrial Estate
Ledbury Herefordshire
ENGLAND HR8 1ET
+44 1531 636300
Email sales@uniquepolymersystems.com
Web www.uniquepolymersystems.com