

## A Unique Marine Repair

Unique Polymer Systems LTD (UPS) Marine Repair resins are liquid epoxide resins, which when mixed with the appropriate amount of hardener produces a mix that will have exceptional adhesive properties, making this the perfect repair matrix for metals, wood, glass, GRP and other synthetic materials. UPS 19000 RH Standard Resin & Hardener is a specially developed epoxide hardened, which ensures that the mix not only cures at normal ambient temperatures but also attains maximum strength in a reasonable working time.



UniquePolymerSystems.com

The Engineer's Choice

... for Solutions

### **UPS 19000 RH Standard Resin & Hardener (Formally TRK 19000)**

Supplied in 10 unit resin packs that are all pre-measured in correct proportions for subsequent mixing. Each individual unit contains one container of hardener and one container of resin. The resin container is designed to facilitate its use as a mixing container for both resin and hardener.



### **UPS 19002/3 A&B Cement**

Specially developed epoxide repair compounds supplied in two separate packs marked A and B. when mixed together in equal portions by volume the cement will cure to an extremely strong mass with a better adhesive / laminate bond that one produced with the *UPS 19000 RH Standard Resin Hardener*.

### **UPS 19007 / 9/ 11 GT Glass Tape**

Specially treated glass fibre fabric that ensures *UPS 19000 RH* will fully permeate the fabric and give the resultant glass fibre resin laminate repair excellent mechanical properties.

### **UPS 19030 Contour Cloth**

A resin reinforced fabric that can be contoured to the surface of a pipe.

### **UPS 19020 Glass Mat**

A fabric consisting of a random weave of glass fibres that will absorb a considerable quantity of mixed resin which, when cured, will produce a mechanically strong mass.

### **UPS 19031 Linen Scrim**

An open weave linen fabric used as a backing for the glass mat to make it easier to handle when being applied to a repair. Linen scrim becomes an integral part of the completed repair.



**Cellophane**

Applied to the outside of a repair after the application of *UPS 19031 Linen Scrim* – Its purpose is to obtain the mixed resin repair until it has cured.

**UPS 19043 Sealer Filler**

Special non-asbestos filler in powder form for addition to the resin mix after the initial mixing has taken place. The resultant sealer filler mix has two very useful properties. The mix is very thixotropic and can therefore be applied to vertical areas. The mix can be applied to operate at temperatures up to 180°C (356°F). When it is applied a pre-coat, prior to carrying out a repair, it will help to insulate the resin laminate from the operating temperature of the parent body repair.

**UPS 19042 Fairing Compound**

A second filler consisting of glass fibre strands for addition to the resin mix after the initial mixing has taken place and can be used in a similar way to the Sealer Filler.

**Unique Accessories**

Barrier Cream	Gloves
Resin Removing Cream	Stirring Tools
Brushes	Plastic Coated Paper
Trowelling Tool	Instruction Booklet

Unique Polymer Systems LTD Marine Repair Kits are a must have maintenance tool which as the experience of the user broadens, can resolve an ever increasing number of the maintenance engineers at sea problems. The ultimate strength and performance of these types of repair are very much dependent on the operating conditions and the correct repair procedures being adopted. These types of systems have been marketed and sold for many years and their success, as a maintenance tool is well proven and established.

Before starting any repairs always ensure that the areas being repaired are isolated and / or pressure reduced as much as possible to achieve the best possible repair.



UPS 11000 'A' Kit	UPS 13000 'C' Kit
UPS 17000 'LBK' Life Boat Kit	UPS 19000 RH
UPS 19002/3 A&B Cement	UPS 19601/3/4/5/6 PR Emergency Repair Bandage
UPS 19500 Small Pipe Repair Kit	UPS 2006 Large Pipe Repair Kit