

## Unique Polymers Engineering Repair Engineers Repair "A" Kit TRK UPS11000

UPS Engineers Repair "A" Kit TRK 11000 contains a specially selected range of high performance laminate, adhesive and engineering repair products.

- Ideal For Emergency Repairs To Leaking Pipework.
- Repairs With Pressure Tolerance Up To 3000 Psi
- Contains 100% Solids Epoxy Resin & Hardener
- Up To 20 Repairs Possible From One Kit
- Repair To Pumps And Valves
- Water Activated Pipe Repair Bandages
- General Purpose Adhesive
- Fast Curing Metal Repair Compounds



### Unique Polymers ENGINEERS REPAIR "A" KIT TRK 11000 Contents

Product	Size	Quantity
UPS Standard Resin TRK19000	225gm	20
UPS A & B Cement TRK 19002	176gm	2
UPS Urethane Metal Repair RG 501	175gm	2
UPS Epoxy Metal Repair SG 527	125gm	2
UPS Urethane Pipe Repair PR 504	50mm x 1.5m	1
UPS Glass Mat	0.5m <sup>2</sup>	2
UPS Sealer Filler	50gm	2
UPS Fairing Compound	50gm	1
UPS Masking Tape	roll	1
UPS Plastic Coated Paper	2m <sup>2</sup>	1
UPS Glass Tape	50mm x 50m	2
UPS Barrier Cream	110gm	1
UPS Resin Removing Cream	100gm	1
UPS Cellophane	250mm x 2.5m	1
UPS Contour Cloth	250mm x 250mm	1
UPS Linen Scrim	0.5m <sup>2</sup>	3
UPS Glass Cloth	1m <sup>2</sup>	3
Disposable Gloves	pair	10
Scissors	pair	1
Brush	1" width	3
Stirring Tool	-	10
Trowelling Tool	-	1
Detailed Application Instruction Booklet	-	1

To top-up your Unique Polymers Engineers Repair "A" Kit TRK 11000 please order Unique Polymers Engineers Repair "C" Kit TRK 13000 and add contents to your toolbox.

# The engineers choice



## Unique Polymers Engineering Repair Engineers Repair "A" Kit TRK 11000

### Unique Polymers Standard Resin TRK 19000

It will be found that the containers in which the resin is packed are not filled to the top. This is to allow space for the introduction of the activator. Sufficient activator is included in each container to set the resin in each pack and this should be poured into the resin container shortly before it is required for use and stirred for at least 1½ minutes using one of the stirring tools.

### Unique Polymers A & B Cement TRK 19002

Equal quantities of the cement are to be taken from either the tins or tubes (depending on which units purchased) and mixed together using the spatula provided. When using UPS A & B Cement TRK 19002 for repairs to a leaking pipe, it is advisable to allow the cement begin to harden, before applying it to the cracked pipe.

### Effects of Temperature on Unique Polymers Standard Resin TRK 19000

Once the UPS Standard Resin TRK 19000 have been mixed, the rate of cure is dependent on the temperature to which it is allowed to rise. The hardness, strength and rapidly is increased the higher the temperature. In cold conditions it is advisable where possible, to apply an external source of heat to a repair to make sure that the cure reaction is complete and so reach its maximum strength.

### Cleaning the Surface

It must be appreciated that the strength of a repair depends chiefly upon the strength of the adhesive bond between the UPS Standard Resin TRK 19000 and the surface to which it is applied. The UPS Standard Resin TRK 19000 will adhere best to a clean, grease free surface and it is therefore essential that before applying a repair to a surface it should be cleaned using UPS 020 Universal Cleaner. In areas where it is impossible to clean the surface thoroughly, it is recommended that a layer of UPS A & B Cement TRK 19002 is smeared on the surface to be repaired and for a distance of 2" around.

### Evenness of Lay Up

The principle strength of a repair lies in the tape or glass cloth layers which are either wound or laid on the surface of the metal. When using tape it is customary to wind this with a half overlap and care should be taken to see that there are no kinks in the tape, as this will leave a path of weakness in the final repair, which the pressure from inside will attack and may cause a breakdown. It will sometimes be found to be difficult to keep the winding smooth and free from kinks, especially when the repair is over a bend section of a pipe. In these cases it is preferable to cut short lengths of tape and lap them one on the other, while winding over the bend.

### Even Application of Unique Polymers Standard Resin TRK 19000

It is obviously necessary that a continuous film of resin must be applied to each layer of the tape wound round the repair.

### Thorough Saturation of Unique Polymers Glass Mat TRK 19020

The purpose of UPS Glass Mat TRK 19020 is to provide a rigid backing to the tape repair and also to enclose a considerable volume of UPS Standard Resin TRK 19000, which will heat up during cure and thereby make the adhesion to the metal considerably stronger. This objective will never be attained unless the UPS Glass Mat TRK 19020 is thoroughly saturated. This can be achieved by working the resin up through the mat with the fingers. Particular attention should be paid to the edges of the mat strip.

### Important Notice

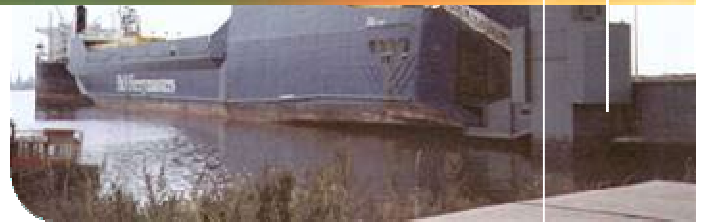
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## Corrosion Protection Products

### Unique Polymer Systems Ltd

Telephone: +44 (0) 1531 636300  
Email: sales@uniquepolymersystems.com  
Website: www.uniquepolymersystems.com  
Website: www.pipewrap.co.uk

Contents May Vary



## Unique Polymers Engineers Repair "A" Kit TRK 11000 Main Components

### Unique polymers Standard Resin TRK19000

UPS 100% solids, epoxy based Standard Resin TRK 19000, produces an extraordinarily strong resinous mass, having exceptional adhesive properties when applied to metals, wood, glass and synthetic materials.

### Unique polymers A & B Cement TRK 19002

A specially developed epoxide compound supplied in two separate packs marked A and B. When mixed together in equal portions by volume the UPS A & B Cement TRK 19002 will cure to an extremely strong mass with a better adhesive bond than that produced by UPS Standard Resin TRK 19000. Apart from its use as an adhesive for repairs it can be applied, prior to carrying out a UPS repair, where difficult adhesion conditions exist.

### Unique Polymers Glass Cloth TRK 19010

A woven cloth 1 metre squared, 0.007" thick, which can be used for large repairs to tanks and pipework, specially developed for use with UPS Standard Resin TRK 19000.

### Unique Polymers Glass Mat TRK 19020

A random collection of glass fibres which will absorb a considerable amount of UPS Standard Resin TRK 19000 and which, when set, will give an extremely strong inextensible mass for backing up repairs.

### Unique Polymers Linen Scrim TRK 19031

An open woven linen fabric used as a backing to UPS Glass Mat TRK 19020 to make it easier to handle when being applied to a repair.

### Unique Polymers Glass Tape TRK 19007 / TRK 19009

UPS Glass Tape TRK 19007 / 19009 is a specially treated glass fibre fabric that ensures the resin mix will fully permeate the fabric and is used, from the roll, for wind on pipe repairs.

### Unique Polymers Fairing Compound TRK19042

Individual strands of glass fibre ideal for mixing with UPS Standard Resin TRK 19000.

### Unique Polymers Sealer Filler TRK19043

Strands of fibrous silicate, which, when mixed with UPS Standard Resin TRK 19000, becomes a putty ideal for repairing cracked pipes.

