

ThistleBond

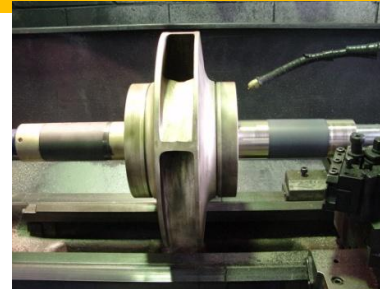
Repair don't replace!

The Vital Link Between The Choice

1. **Do You REPLACE damaged and worn equipment with the associated HIGH COST and LONG TERM COMMITMENT?**
2. **OR Do You Repair With High Tech – LOW COST Unique Polymer Solutions ?–**



WHAT CAN WE OFFER TO HELP PROVIDE YOUR CUSTOMERS WITH WITH SOLUTIONS TO YOUR PROBLEMS?



Economical Solutions for the Renovation, Protection, and Upgrading of Metal & Concrete

🌍 Unique Polymer Systems products are safe, easy-to-use and due to their simple packaging and in the most cases indefinite storage life, they can be used anytime, anywhere to rebuild and repair worn or damaged machinery and equipment operating in aggressive industrial environments.

🌍 Numerous independent tests have shown that the Unique Polymers products in this range have no equal anywhere in the world.

🌍 Our aim is to provide Unique Polymers customers with a range of engineering repair and maintenance products, which are cost-effective, environmentally friendly and offer outstanding performance.



Unique Polymer Systems can provide cost effective products that can offer -----

- 🌀 To Prevent Wear – Longer Lasting Equipment In Service . Less Maintenance COST.
- 🌀 To Repair Wear – Rather Than Replace AT High Cost / Long Term Capital Investment
- 🌀 To Enable Less Wear – Increasing The MTBF (Mean Time Between Failure). Increase PLANT PROFITABILITY.
- 🌀 To Protect - Erosion, Corrosion, Cavitaion, Chemical Attack, Abrasion. EQUIPMENT LASTS LONGER.
- 🌀 To Improve Equipment / Item Life – More Return On Investment for The Company – Reduced Costs
- 🌀 To Enable Better Equipment Performance (Efficiency) – Lower Running Costs – Reduced Operating Costs.
- 🌀 To Protect Assets – Reduce Stock Holding, Increasing Positive Cash Flow. MORE PROFIT.
- 🌀 To Motivate Employees – Better Productivity, Better Working Environment – HAPPY ENVIRONMENTS!
- 🌀 To Help Protect (Health & Safety) Issues – Safer Working Environment. Looking After Your Assets.
- 🌀 To Improve Equipment Performance – Reduce Maintenance Costs – Decrease Operating Costs.
- 🌀 To Improve The Environment – Help With Long Term Environmental Protection.

Metal Repair Systems



UPS105 Super Metal Repair – Engineering Grade

Engineering, rebuilding and repairing: cracked engine blocks, worn or damaged shafts, bearing housings, keyways, flange faces, distorted base plates, pumps, valves, scored rams, stripped threads.

UPS110 Fluid Metal Resurfacing

Simple resurfacing of: battery cases, tank bases, joints and seams, casings. Used when slip resistance required on metal steps, brake test rollers, ramps, tank tops, platforms.

UPS19060 PlasSteel – Stick Grade Metal Repair. Rapid Curing.

Simple metal repair product. Supplied in the form of a stick. Simply mix by hand for RAPID REPAIRS to pipes, tanks sumps and casings etc.

UPS115 Extended Life Super Metal Rebuilding System

Versatile repair and rebuilding system with EXTENDED WORKING LIFE after mixing

UPS19065 Rapid Setting Super Metal Repair Paste

Rapid repairs to: leaking pipes, radiators, tanks, fuel tanks, cracked batteries, dissimilar metals, stripped threads, sumps, casings, scored rams.

Metal Repair Systems

Further Information and Details:

Unique Polymers Super Metal Repair Products have been developed using the most advanced polymer based technology available.

These adaptable, cost-effective products are the ideal choice for engineering repairs on all types of mechanical components.

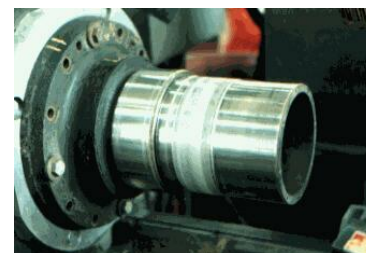
Simple, safe and easy to use with SUPERIOR ADHESION to metals, fibre glass and mineral surfaces. The products are easily machined, drilled, sanded. Ideal for emergency on-site / in-situ repairs.

Fast setting repair products available for most applications with NO SHRINKAGE during curing, a wide resistance to a wide range of industrial chemical and suitable for permanent emersion.

Available in underwater curing types as well as very rapid cure types.

Extremely HARD with MANY MANY applications in plant.

Replaces Belzona, Chesterton ARC, Loctite, Devcon and similar products.



Ceramic Repair Systems

UPS200 Engineering Grade Ceramic Wearing Compound

Repair of erosion / corrosion damage on: condenser tube sheets, valve bodies, impellers, pumps, casings, valve discs, pipe bends, flanges, condenser end plates, tank outlets/inlets, dissimilar metals.

UPS205 Fluid Grade Ceramic Coating

Prevention of erosion/corrosion on: pipe bend elbows, pump impellers, casings, valve discs and bodies, condenser boxes, condenser tube sheets, tank surfaces.

UPS240 HEAVY DUTY Abrasion Resistant Ceramic Lining

Abrasion resistant heavy duty lining material for heavy wear situations, pipes, hoppers, chutes, pumps, valves, tanks.

UPS220 High Temperature Ceramic Fluid Coating

Prevention of corrosion for high temperature immersion. Ideal for oil/water separators.

UPS210 Super Low Friction Protection System

Solent free coating designed to offer a smooth low friction finish for pumps, water boxes, condensers, valves, impellers etc. Approved by WRC and DWI for contact with potable water.

UPS230 Cavitation Resistant Ceramic Engineering Compound (also FLUID version)

For rebuilding metal surfaces subject to sever erosion and cavtation attacks. Designed for use on pumps, impellers, propellers, turbine blades etc, where cavaition is an ongoing problem. www.uniquepolymersystems.com





Ceramic Repair Products

Further Information and Details:

Unique Polymers CERAMIC coatings and repair compounds / linings are the finest compounds for the re-building, re-surfacing, lining components and equipment operating in the most aggressive environments which are subject to erosion, corrosion, cavitations and abrasion.

Fluid flow equipment where the highest efficiencies are required and major power saving is an issue

High Temperature ceramics as well as low friction ceramics available

Marine environment enabling the protection against CAVITATIONS in impellers with FLEXIBLE grade ceramics

Potable water fluid flow equipment can also be protected with food grade ceramic coating.

No sagging or slumping during application with EXCELLENT adhesion to many surfaces.

Multi purpose repair capability with GOOD LOW temperature cure properties

Replaces Belzona, Chesterton ARC, Loctite, Devcon and similar products.





Rubber Repair Systems

UPS305 Engineering Grade Flexible Rubber 60 Durometer

Repair of erosion / corrosion damage on: condenser tube sheets, valve bodies, impellers, pumps, casings, valve discs, pipe bends, flanges, condenser end plates, tank outlets/inlets, dissimilar metals.

UPS300 Abrasion Resistant Grade Flexible Rubber 60 Durometer

Prevention of erosion/corrosion on: pipe bend elbows, pump impellers, casings, valve discs and bodies, condenser boxes, condenser tube sheets, tank surfaces.

UPS310 Rapid Grade Rubber Repair System 60 Durometer

Abrasion resistant heavy duty lining material for heavy wear situations, pipes, hoppers, chutes, pumps, valves, tanks.

UPS075 Rapid Grade Rubber Repair System 75 Durometer

Prevention of corrosion for high temperature immersion. Ideal for oil/water separators.

UPS325 Brush Grade Rubber Repair System

Solent free coating designed to offer a smooth low friction finish for pumps, water boxes, condensers, valves, impellers etc. Approved by WRC and DWI for contact with potable water.

UPS320 Tough Abrasion Resistant Flexible Repair System 80 Durometer

For rebuilding metal surfaces subject to sever erosion and cavitation attacks. Designed for use on pumps, impellers, propellers, turbine blades etc, where cavitaion is an ongoing problem.

UPS315 Fluid Grade Flexible Casting & Moulding System 80 Durometer

80 Durometer liquid designed for casting rubber components offering outstanding tear strength and abrasion resistance.



Rubber Repair Systems

Further Information and Details:

As a result of ongoing intensive research & development programme, Unique Polymers can offer a versatile range of Elastomeric repair systems ideal for the protection of all flexible components.

Advanced solvent free elastomeric technology with superior tensile & tear strength

Excellent longation and suitable for use on nearly all surfaces.

Good resistance to a wide range of chemical

No environmental pollution

Rapid grade versions in all durometers.

Replaces Belzona, Chesterton ARC, Loctite, Devcon and similar products.



Repair don't replace!

GRP REPAIR SYSTEMS



ENGINEERING ADHESIVES

PRE-PACKED ENGINEERING KITS



UPS19001 Lifeboat Resin

Water based coating for internal and external application. UV stable and able to withstand rigorous cleaning regimes. Graffiti resistance properties.

UPS19000 Standard Resin & Hardener

Water based wall protection system with good graffiti and chemical resistance. EASY CLEAN

UPS19002 A&B Cement

Single component wall protection system which is easy to clean and can be applied over existing coatings for an economical finish.

UPS11000 "A" Engineering & Marine Repair Kit

Water based single component system for use with glass fibre reinforcing mat to provide a reinforced wall protection system with excellent physical properties for impact resistance.

UPS "C" Engineering Kit (TOP UP)

Water based flexible coating. Provides UV stable, easy to clean, high build finish.

UPS11000 "A" Engineering & Marine Repair Kit

Water based flexible coating. Provides UV stable, easy to clean, high build finish.



UPS19001 Rapid Grade Pipe Repair Bandage

Simple to use, just soak in water, wrap around leak areas, seal leaks in seconds

UPS19500 Emergency Pipe Repair Kit

A combination KIT that includes all items for the repair of more than 1 leaking pipe. Bandages and a section of the UPS19060 Rapid Cure Metal Putty and gloves make this KIT a must have on the shelf item

UPS455 Re-Usable Emergency Pipe Repair

Easy To Use - just tightly wrap around leak. Seals pipe in minutes as a temporary repair.

UPS19007 Special Grade Emergency Glass Reinforced Fibre Tape

A specially formulated high tensile strength glass fibre tape. Very tight special mesh to enable all types of pipe repair combined with the UPS19000 Standard Resin & Hardener as well as offering excellent OUTSIDE pipe protection and increased wall thickness. Used for support reinforcement in off shore areas.

UPS2006 Large Pipe Repair Kit

This KIT includes all items to carry out the repair of larger pipes. Combination of special formulated tape, Standard Resin as well as heavy duty industrial filler / adhesives plus tools





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Pipe Repair Systems

Further Information and Details:

🌀 Pipe Wrap offers a "One Stop Solution" to ALL your pipe leakage problems.

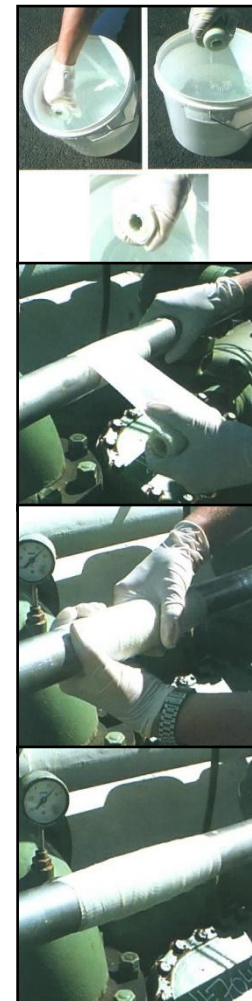
🌀 If you are experiencing problems with leaking pipes and flanges or if you want to give your existing pipe work lagging a further protection then we have a solution to all your concerns.

🌀 We can offer you quick and effective systems to make your repairs and prevent the costly requirement to replace and reinstall your pipe work systems.

🌀 Manufacturing and service operations can suffer extreme financial loss if a damaged or leaking pipe situation occurs.

🌀 Situations can happen at anytime without prior warning and it is advisable to hold stocks so that immediate and effective repairs can be made instantly.

🌀 Replaces Belzona, Chesterton ARC, Loctite, Devcon and similar products.

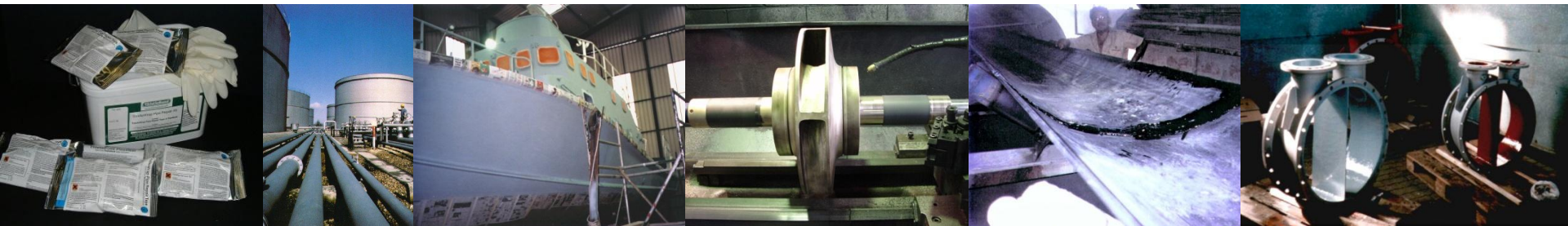


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In Conclusion.....

- 🌍 **Unique Polymer Systems can provide you with a unique range of coat effective polymers.**
- 🌍 **Capable of offering extended life to all plant and equipment.**
- 🌍 **Increasing MTBF (mean time between failure) of rotating equipment and pipe work**
- 🌍 **The Advanced Polymer Technology solution to prevent for erosion, abrasion, corrosion, chemical attack.**



Unique Polymers are at the forefront of the business and can offer full sales and technical support – product testimonials – comparative pricing with well qualified quality (iso9001).
We CAN maximise your assets and investments.

