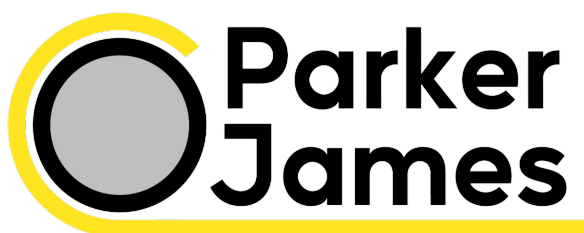


UPS-PJPC SEAL-FLEX TAPE

SELF-FUSING SILICONE TAPE FOR HIGH-PRESSURE LIVE LEAK SEALING – WRAS APPROVED FOR POTABLE WATER SYSTEMS



*In Partnership with Parker James,
Unique Polymer Systems delivers
mission-ready, defence-grade repair
& protection systems.*

UPS-PJPC SEAL-FLEX TAPE is a waterproof repair tape crafted from self-amalgamating silicone, designed to seal live leaks on pipes of various types and diameters. With a thickness of 1mm and a high-stiffness formulation, UPS-PJPC SEAL-FLEX TAPE stretches up to three times its length, enabling maximum pressure application per wrap for fixing pipes, even when pressure cannot be turned off.

Upon tightly wrapping around a pipe, UPS-PJPC SEAL-FLEX TAPE adheres to both the pipe surface and itself, creating a solid rubber band over the leak area. Once fused, UPS SEAL-FLEX TAPE remains securely in place, maintaining pressure over the leak and effectively sealing it. Multiple layers of UPS-PJPC SEAL-FLEX TAPE applied on top of each other fuse together, capable of withstanding pressure resistance of up to 30 bar.

Featuring a unique tapered profile, UPS-PJPC SEAL-FLEX TAPE prevents fluid from seeping under the tape, optimizing surface contact with the pipe. It boasts temperature resistance of up to 200°C and is suitable for use on pipes carrying hot and cold water as well as chemicals. Repairs can be performed on a variety of materials including steel, copper, malleable iron, GRP, ceramic, clay, most plastics, concrete, rubber, and more.

UPS-PJPC SEAL-FLEX TAPE is WRAS Approved, ensuring its safety for use on pipes and fittings conveying drinking water. Repairs can be further strengthened by overwrapping with UPS THISTLEBOND PIPE REPAIR BANDAGE or UPS-PJPC ASME BANDAGE, transforming the repair into a permanent solution by shielding UPS-PJPC SEAL-FLEX TAPE with a durable, impact-resistant shell.

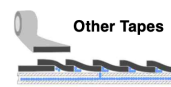
PRODUCT FEATURES

- Easy to apply, requiring no special tools or equipment.
- Non-sticky to the touch which, when overlapped creates a permanent bond, fusing itself.
- Used for Live Leak Sealing applications

- Repairs can be conducted on pipes without the necessity to shut off pressure.
- The tape features a central white guideline to facilitate overlapping by the recommended 50%.
- Repairs requiring only one UPS-PJPC SEAL-FLEX TAPE can be completed in under 15 minutes.
- If needed, the tape can be easily removed with a sharp blade, leaving no residue behind.



The Unique tapered profile prevents fluid from seeping underneath the tape.



TYPICAL APPLICATIONS

Suitable for repairs, such as;

Water pipes and guttering in the home, insulate cables and connectors in the workplace, and repair exhaust pipes and engine hoses in the garage.

APPLICATION GUIDE

Phase 1: Application

1. Begin by wrapping UPS-PJPC SEAL-FLEX TAPE around the project, stretching it to at least double its length and overlapping onto itself. A tighter wrap ensures a quicker and stronger bond.
2. Proceed to wrap the tape around the project, overlapping each layer by 50%. Ensure that the first and last wraps completely overlap onto the previous one for a secure bond. Additional layers may be required; repeat the above steps as necessary.
3. Repositioning the tape is only feasible within the first few seconds after wrapping. It is not advisable to attempt repositioning after 1 minute or longer.

TECHNICAL DATA & PERFORMANCE

UPS-PJPC SEAL-FLEX TAPE Sizes

25mm x 2mtr
50mm x 4mtr
50mm x 11mtr

Mechanical Properties

Colour	Black
Operating Temperature	-90°C to +200°C
Live Pressure Resistance	12 bar on 50mm pipe using 25mm x 2mtr 12 bar on 100mm pipe using 50mm x 4mtr
Shore A Hardness	55
Tensile Strength	9.7MPa
Maximum Elongation	450%
Tear Strength	175 N/m
Bond Strength	9N
Adhesion Unwind	75mm max
Cold Brittle Point	-54°C
Water Absorption by Weight	3% max
Dielectric Strength	15.75 kV/mm / 400VPM
Dielectric Constant 1kHz	2.95
Dissipation Factor 1 kHz	<0.00004
Volume Resistivity	1 x 10 ¹³ OHMS/cm

Performance Information

Pressure Resistance	Excellent
Moisture Resistance	Excellent
UV Resistance	Excellent
Electrical Insulation	Excellent
Corrosion Prevention	Excellent

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UPS-PJPC SEAL-FLEX TAPE

SELF-FUSING SILICONE TAPE FOR HIGH-PRESSURE LIVE LEAK SEALING – WRAS APPROVED FOR POTABLE WATER SYSTEMS

High Temperatures	Excellent
Solvent Resistance	Good
Fame Resistance	Good
Abrasion Resistance	Good
Acid Resistance	Good to Fair
Oil Resistance	Good to Fair
Hydrocarbon Resistance	Good to Fair

SEAL-FLEX TAPE Thickness

1.00mm

Storage & Shelf Life

UPS-PJPC SEAL-FLEX TAPE must be stored in its original, unopened packaging at room temperature. Avoid exposure to dusty atmospheres, high humidity levels exceeding 60%, or high levels of ozone. Under these conditions, UPS-PJPC SEAL-FLEX TAPE maintains a shelf life of at least 12 months from manufacture, remaining in usable condition for up to 10 years.

Approvals

WRAS Approved for potable water applications



Global Availability

UPS-PJPC SEAL-FLEX TAPE is available from a network of Global Distributors for prompt delivery. For further details and the location of your local distributor, please contact Unique Polymer Systems on:
+44(0) 1531 636300 | sales@uniquepolymersystems.com

Need Help Estimating Product Requirements?

Scan the QR code to access our **PipeWrap Calculator** – a quick and easy tool to help you determine the exact amount of material required for your pipe repair or reinforcement project.

Or visit: <https://connect.calcapp.net/?app=61z398#/>



Technical Service

Complete technical assistance is available. Please contact Unique Polymer Systems with your requirements:
+44(0) 1531 636300 | sales@uniquepolymersystems.com

The products that we supply are for professional use only, it is your responsibility to read the technical data sheets before you place an order and prior to application of the product

Quality

All Unique Polymer Systems products are manufactured and supplied in accordance with an ISO 9001 registered Quality Management System.

Warranty

Unique Polymer Systems warrants that the performance of the supplied product will conform to the typical descriptions provided in this specification, provided the material is stored correctly and used in accordance with the procedures outlined in the Technical Data Sheet.

Health & Safety

Please ensure good practices are followed at all times during the mixing and application of this product. Protective gloves and other recommended personal protective equipment must be worn. Before mixing and applying the material, please ensure you have read and fully understood all relevant information.

Legal Notice

The data provided in this Product Technical Data Sheet is for informational purposes only and is believed to be accurate at the time of issuance. However, we cannot assume responsibility for results obtained by others whose methods are beyond our control. It is the customer's responsibility to assess the suitability of the product for their intended use. Unique Polymer Systems accepts no liability arising from the use of this information or the product described herein.

About Use

Unique Polymer Systems is a global leader in advanced polymer composites and protective coatings, offering solutions for erosion, corrosion, and wear. With over 30 years of experience, we serve industries including Oil & Gas, Petrochemical, Marine, Paper & Pulp, Water, Power Generation, and Chemicals. Our focus is on providing reliable products and technical support through a global network of distributors.

About the UPS-PJPC Partnership

The UPS-PJPC product range represents a trusted collaboration between Unique Polymer Systems and Parker James Protective Coatings LTD. These high-performance repair and protection solutions are developed and manufactured by Unique Polymer Systems, with technical support and distribution through Parker James to deliver enhanced value and service to end-users.