

Robex Superwrap is especially formulated to make quick and effective repairs to cracks, leaks, fractures, casting and corrosion porosity in metal (ferrous and non ferrous) plastic, concrete and asbestos clad piping carrying Water, Oil, Steam, and most gases and solvents.

Superwrap provides immediate repairs in emergency situations and cures in less than 10 minutes saving costly downtime. **Superwrap** has good temperature, pressure and chemical resistance and is quick and easy to use. Ideal for permanent repairs requiring maximum strength and security in the chemical, manufacturing, engineering, marine, greenhouse and food processing industries. Other applications, using appropriate reinforcements or splints include broom/tool handles, fishing rods, landing net poles and all manner of support on furniture and equipment.

Superwrap fulfills all the requirements of the water bylaws scheme approval (BS6920), which tests the effects of the cured bandage in the presence of potable water.

On its own **Superwrap** is ideal for low pressure repairs, however used with an intermediate repair system **Superwrap** can be used for high pressure repairs.

Description

- **Superwrap** allows on the spot repairs to Metal, Plastics, Concrete or asbestos pipes, tubes, rods, stanchions, etc.
- Advanced water activated Polyurethane resin. **Superwrap** sets in under 10 minutes and is water/fluid compatible.
- Knitted fiberglass composition **Superwrap** stretches around joints, fittings and elbows.
- No mixing or measuring. **Superwrap** is ready for use after soaking in water for just 10 seconds.
- No need for skilled labour. **Superwrap** is safe and easy to use - and is food safe when cured.

How To Use

1. Shut down pipes and hoses before repair. Clean and abrade lightly the area to be repaired.
2. To activate the bandage, soak in warm fresh or salt water for 10 seconds and squash in the hand whilst submerged. Curing begins immediately upon opening the package, therefore it must be applied quickly to the repair area. The entire bandage must be used.

In all cases, try to achieve a minimum of 9 (nine) complete windings around the circumference of the pipe, even when used in conjunction with an intermediate repair system. If nine windings are not achievable use a second bandage to complete the repair.

Superwrap A (50mm x 1.5m) – Designed for pipes up to 45mm diameter.

Superwrap B (75mm x 2.75m) – Designed for pipes up to 75mm diameter.

FOR DAMAGED & CRACKED PIPES – Wrap the bandage very firmly around the damaged area extending 50mm beyond either side of the repair. Continue to apply pressure to the bandage by wetting the outside of the bandage and moulding in direction of the wrap until the bandage begins to set. The bandage hardens in 10 minutes and is fully cured within 1 hour.

FOR REPAIRING LEAKS & BLOW HOLES – Cut off 75mm of the bandage and force into the hole to form a plug. Wrap the bandage very firmly around the damaged area extending 50mm beyond either side of the repair. Continue to apply pressure to the bandage by wetting the outside of the bandage and moulding in direction of the wrap until the bandage begins to set. The bandage hardens in 10 minutes and is fully cured within 1 hour.

Characteristics

Resin: Hydrophilic Polyurethane – Rapid polymerisation.

Bandage: Aramid Fibre Knitted, not woven, to ease repairs on corner joints, elbows and other shaped fittings.

Tensile Strength: Fracture toughness test – 2051 Newton's peak stress.

Flexural Strength: Resists 50 Newton's Force after only 15 minutes cure.

Dielectric Test: Maximum Voltage at breakdown: 16,000 volts+.

Temperature Cycling Test: Oven cured @ 50°C for 1 hour elevated to 190°C for 1 hour.

Results: No delimitation noted.

Temperature Rating: 150°C (Anything over this could cause toxic fumes). The fibre glass has a melting point of 1200°C.

Pressure Tests:

Objective: To establish by cold, non-shock method the pressure resistance of the moisture curing bandage against water.

Test System:

Hydrostatic Pump SC 1000psi – Model No. 57052.

Manufacturer: Hydraulic Engineering Corp.

Test Piece: Carbon steel pipe to API 5L 100mm OD with closed coupling with 2 x 4mm diameter holes at 20mm centres drilled through the wall of the pipe.

Product: 3" x 9" Moisture curing bandage.

Test Procedure: Submerge bandage in water at room temperature and apply directly to the Test Piece. Leave for one hour and test pressure resistance in general accordance with API 6, and A.S.M.E. 8. Raise pressure in small increments. Observe and record the first signs of leakage. Release pressure and then re-test recording again the first signs of leakage. Repeat test three times to establish an average result.

Results: First leakage – 13 to 15 Bar

Second leakage – 3 to 5 Bar

Chemical Resistance Data: Most Dilute Acids, Brine, Oils, Toulene, White Spirit, Xylene, Sodium Hydroxide, Saturated Soda Solution, Fuel Oils, Kerosene Oil, Acetone, Ethyl Alcohol, Diesel fuel, Caustic Soda 50%.

Results: No softening of the bandage.

No liability is accepted for any injury, loss or damage arising directly or indirectly from the use of the Company's products or from the use of information given in our data sheets, since the customer's use of the product is necessarily out of our control. The information given is intended to serve as a guide only. Customers should satisfy themselves by appropriate trials that the products are suitable for their intended use.

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