

SYLWRAP

SylWrap UP Universal Pipe Repair Kits



PRODUCT DESCRIPTION

SylWrap Universal Pipe Repair Kits are designed to stop pipe leaks, even when the pressure **cannot** be turned off. They are quick and easy to use and a permanent repair is made in minutes. They repair pipework of all diameters and are resistant to aggressive chemicals. They can be used on pipes made from steel, stainless steel, copper, malleable iron, GRP, ceramic, clay, concrete, rubber and most plastics.



SylWrap is used around the world for repairs to desalination plants, mains water pipelines, waste water treatment works, nuclear power stations, pumping stations, petrochemical plants, quarry wash plants, freight ships, dry risers, domestic and commercial plumbing.

Advantages:

- WRAS approved – safe for use on drinking water
- High strength repairs in 30 minutes
- Repairs leaks on diameters up to 600mm (other kits available for larger sizes)
- Repairs all pipe types and materials
- Resists pressures up to 30 bar
- Temperature resistant to over 200°C

Each Kit Contains:

- Pipe Burst Tape to seal live leaks
- Superfast Epoxy Putty to seal leaks when flow can be stopped
- SylWrap water-activated fibreglass wrap, to reinforce and finish the repair.

TYPICAL PIPE REPAIRS

Water Distribution:	Seal pinholes and splits in pipelines, repair leaking welds
Quarries:	Leaks on wash plant pipework
Steel Works:	Steam and water pipes, sludge and slurry lines
Petrochemical Plants:	Repair on flammable pipe leaks without using tools - oil, gas, water supply lines
Power Stations:	Ash transfer systems, pulverized fuel tubes, cooling water lines
Manufacturing:	Sealing of leaks in oil, water and coolant pipes
Marine:	Emergency repairs in dock or whilst at sea to fuel lines, water pipes and waste pipes.



TECHNICAL DATA

SylWrap Working time:	2 - 5 minutes, dependent upon size of SylWrap temperature of water and pipework
Cured material life:	10 - 20 years, dependent upon repair quality, repair thickness, condition of pipe, environmental conditions, pipe temperature etc.
Functional cure:	30 - 45 minutes
Full cure (maximum properties)	24 hours
Coefficient of thermal expansion:	$7.1 \times 10^{-5} / ^\circ\text{C}$ (SylWrap composite wrap)
Service conditions:	
Max. service temperature:	250°C / 480°F (SylWrap has been used at 250°C with steam at 20 bar for a 2 week temporary repair and at 200°C at 20 bar for 6+ weeks) (Lab tests show thermal stability up to 300°C)
Pressure resistance:	30 bar (435 psi), depending upon nature of leak (using Superfast Epoxy Filler - for Live Leaks see following page).

Chemical resistance: Acetone, ammonia, sulphuric acid (30%), ethyl alcohol, mineral spirits, gasoline, MEK, toluene, diesel, hydrochloric acid, Varsol, ethylene glycol, crude oil, hydraulic oil (test period of 40 days).

SPECIFICATION TABLE FOR LIVE LEAK REPAIRS

The table below shows indicative live leak pressure resistance values for each kit against pipe diameter.
 For higher pressures, please see SylWrap XL Extreme Pipe Repair Kits or SylWrap PRO-KIT Multiple Repair Kits

Kit Code	Wrap & Seal Tape Size	Pinhole Size (mm)	Outside Diameter (mm)	Max Pressure (bar)	No. Tapes	Estimated Repair Time (mins)	Recommended Personnel
SYL-106-UP	25mm x 2m	3	15	21	0.5	15	1
SYL-206-UP	25mm x 2m	3	25	12	0.5	15	1
SYL-309-UP	25mm x 2m	3	25	12	0.5	15	1
SYL-309-UP	25mm x 2m	3	50	12	1	15	1
SYL-412-UP	25mm x 2m	3	50	12	1	15	1
SYL-412-UP	25mm x 2m	3	75	8	1	15	1
SYL-412-UP	25mm x 2m	3	95	6	1	15	1
SYL-412-UP	25mm x 2m	3	100	6	1	15	1
SYL-616-UP	25mm x 2m	3	100	6	1	30	2
SYL-616-UP	25mm x 2m	3	150	4	1	30	2
SYL-633-UP	50mm x 4m	5	150	8	1	30	2
SYL-633-UP	50mm x 4m	5	300	4	1	30	2
SYL-866-UP	50mm x 11m	5	300	9	1	30	2
SYL-866-UP	50mm x 11m	5	450	6	1	60	2
SYL-866-UP	50mm x 11m	5	600	4	1	60	2

SIZES OF KIT

SylWrap UP Universal Pipe Repair Kits are available in the following sizes:

Product Code	Wrap & Seal Size	SylWrap Size	Pipe Diameter
SYL-106-UP	25mm x 2m	25mm x 1.8m	up to 15mm Pipes
SYL-206-UP	25mm x 2m	50mm x 1.8m	15 – 25mm Pipes
SYL-309-UP	25mm x 2m	75mm x 2.7m	25 – 50mm Pipes
SYL-412-UP	25mm x 2m	100mm x 3.6m	50 – 100mm Pipes
SYL-616-UP	25mm x 2m	150mm x 5.0m	100 – 150mm Pipes
SYL-633-UP	50mm x 4m	150mm x 10.0m	150 – 300mm Pipes
SYL-866-UP	50mm x 11m	200mm x 20.0m	300 – 600mm Pipes

STORAGE

Sylmasta Pipe Repair Kits should be stored in their packaging in cool, dry conditions. SylWrap composite wraps should be kept unopened in their original foil pouch - piercing or damaging the pouch will cause the SylWrap to cure prematurely. Under such conditions, these kits will have a shelf life of at least 24 months from date of manufacture.

HEALTH & SAFETY IN USE

Sylmasta Pipe-Wrap contains a urethane pre-polymer. Protective gloves should be worn to avoid unnecessary skin contact with the uncured material. If working on 'live' pipework take every safety precaution necessary to avoid risk of exposure to the leaking material. Wear goggles to protect eyes from fluids. For further health and safety information please refer to the relevant Safety Data Sheets. Sylmasta and its agents cannot assume liability or responsibility for results obtained in the use of its products by persons whose methods are outside or beyond our control. It is the user's responsibility to determine the suitability of any of the products and methods of use or preparation prior to use mentioned in our literature and furthermore the users responsibility to observe and adopt such precautions as may be advisable for the protection of personnel and property in the handling and use of any of our products.