

SYLWRAP

Pipe Repair Contractor Case

Description

The **SylWrap Pipe Repair Contractor Case** makes up to six permanent pipe repairs even when pressure **cannot** be turned off. Repairs can be made in under 30 minutes to steel, copper, malleable iron, GRP, ceramic, most plastics, concrete, rubber and lead.



A number of Contractor Cases are available covering pipe diameter ranges from 15mm to 600mm, offering greater flexibility than a single Pipe Repair Kit for one pipe size. The robust Case keeps all the products in optimum condition and is easily stored on-site on the van, enabling rapid response to emergencies as soon as they arise.

Repairs can be built to have pressure resistance up to 30 bar, temperature resistance up to 120°C and are effective on pipes carrying hot and cold water and chemicals. The Contractor Case has WRAS approval, meaning it is safe to use on pipes carrying drinking water.

Kit Contents and Directions for Use

Each Contractor Case contains **Wrap & Seal Pipe Burst Tapes**, **SylWrap HD Pipe Repair Bandages** of various sizes and **Superfast Epoxy Putty**.

If pressure cannot be turned off, Wrap & Seal is used to seal the live leak. The self-amalgamating silicone tape stretches by three times its length, bonding to both the pipe surface and itself as it is wrapped.

Once fused, it forms a solid rubber band which maintains pressure over the leak, thus sealing it. Multiple Wrap & Seals applied on top of each other will fuse together, capable of building pressure resistance up to 30 bar.

Contractor Case covering pipes over 150mm diameter include a **SylPad Pressure Resistance Multiplier**. SylPad is used with Wrap & Seal to better concentrate the pressure of the Tape directly over the leak on larger pipes.

If pressure can be turned off, the Putty is used to seal the leak. It is kneaded by hand until it turns a uniform colour and is then pushed into holes and cracks. Within 5-10 minutes, it will harden to fill the damage with a watertight material.

The initial sealant is then overwrapped with SylWrap HD. Wetting the bandage activates the resin within the wrap. SylWrap HD is wrapped and smoothed over the repair area, where it will set after around 5 minutes to form an impact resistant protective shell around the pipe.

SylWrap HD contains below 0.1% free diisocyanate. This means it is not covered by the 2023 EU and UK REACH legislation governing the safe use of diisocyanates and requires no mandatory safety training before handling. At the same time, the low hazard formulation reduces risk to operators.

Applications

Water and wastewater:

Strengthen older pipes before they burst and reinforce leak repairs on water networks

Petrochemical plants:

Reinforce degraded pipes from the outside without using tools or shutting down systems

Heavy industry use:

Refurbish and protect pipes in highly abrasive environments

Power stations and oil rigs:

Effective on oil, gas, water and coolant pipes

Marine:

Fuel lines, water and waste pipe repairs to ships, yachts and boats in dock or whilst at sea

Storage

All products should be kept inside the robust red case in cool, dry conditions. SylWrap HD Bandage should be kept unopened in its original foil pouch. Piercing or damaging the pouch will cause SylWrap HD to cure prematurely. Under such conditions, the SylWrap Pipe Repair products in a Contractor Case have a shelf life of at least 24 months from date of manufacture.



When pressure cannot be stopped, pipe burst tape is wrapped tightly around the leak area



When pressure can be stopped, epoxy putty fills in holes, cracks and missing sections

Whilst all reasonable care is taken in compiling technical data on the Company's products, all recommendations or suggestions regarding the use of such products are made without guarantee, since the conditions of use are beyond the control of the Company. It is the customer's responsibility to satisfy themselves that each product is fit for the purpose for which they intend to use it, that the actual conditions of use are suitable and that in the light of our continual research and development programme the information relating to each product has not been superseded.

Technical Data

SylWrap Working time	2-5 minutes depending upon temperature
Cured material life	10-20 years depending upon repair quality, repair thickness, condition of pipe, environmental conditions, pipe temperature, etc. Consult Sylmasta for further information and design life for specific applications
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	120°C / 250°F
Max pressure resistance	30 bar / 435 psi using Superfast Epoxy Putty and SylWrap HD, depending on nature of leak. For live leak pressure resistance consult pressure tables
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).

SylWrap Pipe Repair Contractor Case Sizes

Product Code:	Pipe Diameter Range:	No. of Repairs:	SylWrap Bandage Sizes:	Wrap & Seal Tape Sizes:	No. of SylPads
SYL-PRO-206	15 - 25mm	Up to 6	6 x SYL206HD (50mm x 1.8m)	8 x Small (25mm x 2m)	0
SYL-PRO-15-50	15 - 50mm	Up to 6	3 x SYL206HD (50mm x 1.8m) 3 x SYL309HD (75mm x 2.7m)	3 x Small (25mm x 2m) 3 x Large (50mm x 4m)	0
SYL-PRO-309	25 - 50mm	Up to 6	6 x SYL309HD (75mm x 2.7m)	8 x Small (25mm x 2m)	0
SYL-PRO-25-100	25 - 100mm	Up to 4	2 x SYL309HD (75mm x 2.7m) 2 x SYL412HD (100mm x 3.6m)	8 x Small (25mm x 2m)	0
SYL-PRO-412	50 - 100mm	Up to 4	4 x SYL412HD (100mm x 3.6m)	2 x Small (25mm x 2m) 2 x Large (50mm x 4m)	0
SYL-PRO-15-150	15 - 150mm	Up to 4	1 x SYL206HD (50mm x 1.8m) 1 x SYL309HD (75mm x 2.7m) 1 x SYL412HD (100mm x 3.6m) 1 x SYL616HD (150mm x 5.0m)	3 x Small (25mm x 4m) 3 x Large (50mm x 4m)	0
SYL-PRO-50-150	50 - 150mm	Up to 4	2 x SYL412HD (100mm x 3.6m) 2 x SYL616HD (150mm x 5.0m)	2 x Small (25mm x 2m) 4 x Large (50mm x 4m)	0
SYL-PRO-616	100 - 150mm	Up to 4	4 x SYL616HD (150mm x 5.0m)	2 x Small (25mm x 2m) 4 x Large (50mm x 4m)	0
SYL-PRO-15-300	15 - 300mm	Up to 5	1 x SYL206HD (50mm x 1.8m) 1 x SYL309HD (75mm x 2.7m) 1 x SYL412HD (100mm x 3.6m) 1 x SYL616HD (150mm x 5.0m) 1 x SYL633HD (150mm x 10.0m)	2 x Small (25mm x 2m) 4 x Large (50mm x 4m)	4
SYL-PRO-100-300	100 - 300mm	Up to 4	2 x SYL616HD (150mm x 5.0m) 2 x SYL633HD (150mm x 10.0m)	4 x Large (50mm x 4m)	4
SYL-PRO-633	150 - 300mm	Up to 4	4 x SYL633HD (150mm x 10.0m)	4 x Large (50mm x 4m)	4
SYL-PRO-866	300 - 600mm	Up to 2	2 x SYL866HD (150mm x 10.0m)	2 x XL (50mm x 11m)	2

Health & Safety Use

Plastic gloves should be worn when handling Superfast Epoxy Putty and SylWrap HD. If working on live pipework, take every safety precaution necessary to avoid exposure to the leaking material. For further health and safety information, please refer to the relevant Safety Data Sheets for Superfast Epoxy Putty, Wrap & Seal, SylPad and SylWrap HD Bandage.

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