

SYLWRAP

Drain & Waste Pipe Repair Kit

Description

The **SylWrap Drain & Waste Pipe Repair Kit** is a specialist kit for facilities management teams, drain repair companies and other end-users who are regularly required to seal cracks in cast iron and plastic waste, drain and soil pipes in public, commercial and residential buildings.

Repairs can be made in under 30 minutes to pipe diameters between 32mm and 150mm, even when water is leaking through. The Kit contains enough products to make multiple repairs, all stored in a robust red case which is easy and convenient to keep on-site or in a van.

As soon as a waste, drain or sewer pipe cracks, the user simply reaches for their Kit, where they will find everything needed to make an instant repair. The rapid response provided by the Drain & Waste Pipe Repair Kit minimises disruption in hospitals, office blocks, leisure centres, car parks and other facilities where cast iron and plastic pipework is widespread.

Kit Contents and Directions for Use

The Kit contains Superfast Epoxy Putty, CrackSeal Sealant, SplitFill Epoxy Adhesive, Wrap & Seal Pipe Burst Tape and SylWrap HD Pipe Repair Bandages.

Superfast Epoxy Putty seals small holes. It is kneaded by hand until it turns a uniform colour and is then pushed into the crack, where it will harden in around 5 minutes to fill the damage with a watertight material.

CrackSeal Sealant is for longer cracks and splits in cast iron pipes. Using a standard sealant gun (not supplied), CrackSeal is extruded directly into the crack until it is fully filled. CrackSeal sets almost instantly, even on wet surfaces.

SplitFill Epoxy Adhesive seals cracks and longitudinal splits in plastic pipes. The adhesive is mixed before being spread over the split and surrounding area. It will enter the split and cure within five minutes, acting as a permanent gap filler.

Wrap & Seal Pipe Burst Tape is used when a significant amount of water is leaking through as the repair takes place, such as a drainpipe stack whilst it is raining. The self-amalgamating waterproof tape stretches by three times its length, fusing to form a solid rubber band which provides pressure over the crack.

Once the crack has been sealed using one of the above methods, the repair is completed by overwrapping with a **SylWrap HD Bandage**. Wetting the bandage activates the resin within the wrap. SylWrap is wrapped and smoothed over the initial sealant where it will set in around 5 minutes to form an impact resistant, protective layer for a permanent, reinforced repair.

Superfast Epoxy Putty, Wrap & Seal and SylWrap HD all have WRAS Approval, meaning they are certified as safe to use for repairs to pipes carrying drink water.



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.

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.

Storage

All products should be kept inside the 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 products in the Drain & Waste Pipe Repair Kit have a shelf life of at least 24 months from date of manufacture.

Health & Safety Use

Plastic gloves should be worn when handling Superfast Epoxy Putty, CrackSeal Sealant, SplitFill Epoxy Adhesive and SylWrap HD. For further health and safety information, please refer to the relevant product specific Safety Data Sheets.

Presentation

The Drain & Waste Pipe Repair Kit comes with white SylWrap HD Bandages as standard. Black SylWrap HD can be supplied upon request to make repairs appear more uniform with black pipework.

SylWrap Drain & Waste Pipe Repair Kit Sizes

There are 5 different sizes of SylWrap Drain & Waste Pipe Repair Kits covering a specific range of pipe diameters.

Product Code:	Pipe Diameter Range:	SylWrap Bandage Sizes:	Wrap & Seal Tape Sizes:	SylWrap Colour:
SYL-CRACK-32-50	32 - 50mm	4 x SYL312HD (75mm x 3.6m)	1 x Large (50mm x 4m)	White
SYL-CRACK-32-50-BLACK	32 - 50mm	4 x SYL312HD (75mm x 2.7m)	1 x Large (50mm x 4m)	Black
SYL-CRACK-32-150	32 - 150mm	1 x SYL312HD (75mm x 2.7m) 1 x SYL416HD (100mm x 5.0m) 1 x SYL616HD (150mm x 5.0m) 1 x SYL633HD (150mm x 10.0m)	2 x Large (50mm x 4m)	White
SYL-CRACK-32-150-BLACK	32 - 150mm	1 x SYL312HD (75mm x 2.7m) 1 x SYL416HD (100mm x 5.0m) 1 x SYL616HD (150mm x 5.0m) 1 x SYL633HD (150mm x 10.0m)	2 x Large (50mm x 4m)	Black
SYL-CRACK-68-75	68 - 75mm	4 x SYL416HD (100mm x 5.0m)	2 x Large (50mm x 4m)	White
SYL-CRACK-68-75-BLACK	68 - 75mm	4 x SYL416HD (100mm x 5.0m)	2 x Large (50mm x 4m)	Black
SYL-CRACK-100	100mm	4 x SYL616HD (100mm x 5.0m)	2 x Large (50mm x 4m)	White
SYL-CRACK-100-BLACK	100mm	4 x SYL616HD (100mm x 5.0m)	2 x Large (50mm x 4m)	Black
SYL-CRACK-150	150mm	4 x SYL633HD (150mm x 10.0m)	2 x Large (50mm x 4m)	White
SYL-CRACK-150-BLACK	150mm	4 x SYL633HD (150mm x 10.0m)	2 x Large (50mm x 4m)	Black

Case Studies



Hospital Repair of 1.05-Metre Long Crack in Cast Iron Downpipe

An internal 150mm diameter cast iron pipe system ran through the hospital, taking rainwater away from the roof. A drainage engineer was called in after water began dripping into a ward. They accessed the nearby wall cavity containing a section of downpipe, discovering a 1.05-metre long crack. CrackSeal was extruded into the crack to seal it. Two SYL616HD SylWrap Pipe Repair Bandages were then wrapped along the entire length of downpipe to reinforce the sealant, making the repair permanent. The application was completed in 30 minutes with no disruption to patients or staff in the ward.

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