

SYLWRAP Case Study



80mm Longitudinal Split in a Plastic Hose

A 300mm area of plastic hose supplying water to a pond became damaged during landscaping work, including an 80mm split requiring leak repair



Defect

The hose was buried into the side of a hill with a retaining wall behind. Roots were starting to cause structural damage to the wall, so the property owner decided to cut them away with a pruning saw, inadvertently damaging the unnoticed hose.

A 80mm longitudinal split was surrounded by smaller leaks, leaving a damage area of 300mm. A flexible repair method was required, capable of working around the roots, the wall and the ground.

Solution

Water supply was turned off and the hose cleaned to remove all traces of soil. A plastic sheet was placed under the hose to prevent soil or grit being picked up during the repair.

Wrap & Seal Pipe Burst Tape was wrapped around the entire section of damage. Despite the space constraints, it could still be stretched by 300% to seal all leak areas.

The repair was completed with a **SylWrap HD Pipe Repair Bandage** providing an impact-resistant protective layer before the hose was reburied.

Result

Completing the repair took under 30 minutes and cost less than £40 - a significant saving on replacing the damaged section.

The property owner said afterwards: "There are no longer any leaks in the hose. SylWrap is an excellent piece of kit I wish I had come across years ago and the technical assistance I received from Sylmasta was very much appreciated."

Water escaping from 80mm split in the hose



The hose had been badly cut by a pruning saw



Completed repair with SylWrap HD applied to cover the entire damage area

