

# SYLWRAP Case Study



## Swimming Pool Filtration System PVC Pipe Repair

A difficult live leak repair of a PVC plastic pipe in a leisure centre swimming pool filtration system prevents the need for the time-consuming and costly disassembly of half the system to fit a replacement section of pipe



*The 50mm crack in the pipe facing towards ground*



*Wrap & Seal Pipe Burst Tape successfully sealed the leak despite the space constraints*



*SylWrap HD Pipe Repair Bandage provided an impact resistant layer over the initial repair*



*Further SylWrap was then applied to the pipe to strengthen and protect it from future wear and tear*

### Defect

After many years resting on a steel bracket, a 50mm crack developed in a PVC pipe, part of the filtration system in a leisure centre swimming pool.

The pipe was located just 76mm off the ground and surrounded by other components of the system, making a repair difficult. Replacing the section required the disassembly of half the system.

The crack was facing towards ground, meaning the only way to see the leak location when working from above was by keeping water pressure on.

### Solution

Because a live leak repair was necessary, **Wrap & Seal Pipe Burst Tape** was used to seal the leak.

The tape could not be stretched by its full 300% due to the space constraints, but it still fused successfully to provide a pressure resistant repair.

A **SylWrap HD Pipe Repair Bandage** was then applied over the Tape for an impact resistant layer and to further protect the pipe from the bracket. The repair was completed in under one hour.

### Result

The maintenance company in charge of the leisure centre were so impressed with the speed and ease of repair that they have recommended all their sites take stock of **SylWrap Universal Pipe Repair Kits**.

The group technical manager said: "Leaks often occur at times when spares are challenging to obtain, such as evenings and weekends, so SylWrap products offer a solution for fixing a leaking pipe quickly, as soon as it is reported."

