

SYLWRAP Case Study



Restricted Space Malleable Iron Pipe Repair

A repair is made to a 20mm malleable iron water pipe despite space around the leaking section being severely restricted by its close proximity to a wall



Wrap & Seal was stretched as far as possible by the user into the largest area of space towards them

Defect

A small hole had developed where the pipe faced towards a brick wall outside a domestic property. Water was escaping at 3 bar pressure and flow through the leaking section could not be isolated.

Between the pipe and the wall existed only 30mm clearance. There was 150mm between the pipe and the ground. This restricted space made a live repair challenging for the property owner.

Solution

Although it could not be stretched by the recommended 300%, **Wrap & Seal Pipe Burst Tape** was still used for the application.

The property owner held the tape tightly to the pipe with their thumb. They then stretched the tape as far as possible towards them before pulling it under the pipe and through the restricted space between the pipe and the back wall.

Once the first wrap anchored the tape in place, the application continued with a 50% overlay. Each wrap followed the stretch, under and up technique.

After the end of the tape was reached, the pipe was dried off. No more water could be felt on the pipe, indicating a successful repair.

Result

Despite the space restricting the stretch of the tape, the silicone still fused to form a solid rubber band easily capable of holding 3 bar.

The property owner was delighted to have overcome the initial challenges and made a repair at a fraction of the cost of hiring a plumber.



The tape was then pulled under the pipe and up through the 30mm gap between the pipe and the back wall

