

SYLWRAP Case Study

Restricted Space Malleable Iron Pipe Repair

A repair is made to a 20mm malleable iron 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



The tape was then pulled under the pipe and up through the 30mm gap between the pipe and the back wall. Despite not being stretched to its limit, Wrap & Seal still amalgamated to form a solid rubber band

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, meaning an epoxy putty repair was not an option.

Between the pipe and the wall existed only 30mm clearance. There was 150mm between the pipe and the ground, leaving minimal clearance for the application of pipe repair tape.

Solution

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

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

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

After the end of the Wrap & Seal roll 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, Wrap & Seal still amalgamated together 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.