

SYLWRAP Case Study

Corroded Shared Water Supply Pipe Repair

A 48 metre long shared water supply pipe attached to the back wall of eight cottages required repair after heavy corrosion caused leaks to appear



Superfast Aqua PW sealed holes where corrosion had breached the pipe in multiple places



The pipe was painted in Liquid Metal to reinforce and strengthen the brittle, corroded metalwork



SylWrap HD was applied over the Liquid Metal coating, forming an impact resistant shell

Defect

Low-quality lagging had trapped moisture against the steel pipe, causing corrosion along the whole 48 metre line which led to holes in multiple places.

A replacement pipe was quoted at £22,000 Some cottages did not wish to pay towards this, preferring to chance their 6 metres would not deteriorate further.

That left those cottages concerned about corrosion to find a repair solution for their section of the pipe.

Solution

A Sylmasta approved contractor worked on two cottages initially. Holes were sealed with **Superfast Aqua PW Epoxy Putty**, used for its wet surface adhesion amid concerns the pipe may be weeping.

Liquid Metal Epoxy Coating was painted onto the two sections to form a new metallic, hard-wearing outer surface. This strengthened the pipe and acted as a shield against external corrosion.

Four layers of **SylWrap HD Pipe Repair Bandage** were then wrapped around the two sections, encompassing them with an impact resistant shell.

Finally, new lagging was added. If moisture again became trapped, Liquid Metal and SylWrap would prevent contact with the original pipe.

Result

After watching the repair process, two more cottages asked Sylmasta to apply Liquid Metal to their section.

12 months later, a fifth cottage contacted Sylmasta requesting help. Their section was now on the verge of collapse due to further corrosion, which could have been avoided with intervention a year earlier.