

# SYLWRAP Case Study



## Corroded Shared Water Supply Pipe Repair

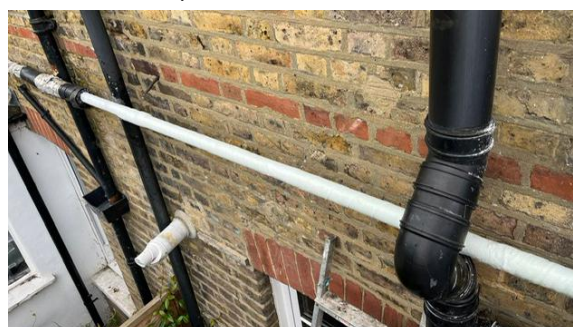
A 48 metre long shared water supply pipe attached to the back wall of eight cottages required repair after heavy corrosion caused leaks to appear



*Superfast Aqua PW sealed holes in where corrosion had breached the line in several places*



*The heavily corroded pipe was painted in Liquid Metal to reinforce and protect the brittle metalwork*



*SylWrap HD was added over the Liquid Metal coating to encompass the pipe with an impact-resistant shell*

### Defect

Low-quality lagging had trapped moisture against the steel pipe, causing corrosion along the whole 48 metre line and holes in several places.

The only replacement option was to install a new pipe, costing £22,000. Some cottages did not wish to pay £2,750 towards this, preferring to chance their 6 metre section would not deteriorate further.

That left those cottages concerned about corrosion to find a repair solution for their part 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, a third cottage asked Sylmasta to apply Liquid Metal to their section. All three cottages were completed in a day.

A fourth cottage later requested Sylmasta revisit for their section, meaning half the pipe has now been reinforced with a repair which will last many years.

