

SYLWRAP Case Study



District Heating System Pipe Repair

Two sections of pipework in a district heating system had been breached due to heavy corrosion and required a fast repair as replacement was unviable.



Section one of the pipe required a challenging repair around a welded joint



Repair to the section of pipe with the welded joint



Section two of the pipe was breached underneath



Section two of the pipe repaired and protected with an overwrapping of SylWrap HD

Defect

The system supplied heat to council-owned homes. Two sections of pipework running via underground tunnels had become breached; one from around a welded joint and the other in a 'low spot' of the tunnel which remained flooded for prolonged periods, effectively leaving the pipe underwater.

Replacement of the pipework was not viable as it involved shutting down the system, leaving residents without heating in the depths of winter.

A rapid repair method was needed to seal the leaks and protect the pipework from further damage until a replacement could be carried out in the Spring.

Solution

The tight work space meant a flexible repair was required. **Wrap & Seal Pipe Burst Tape** was used to provide a high-pressure seal to the breaches in the pipe, including around the welded joint.

SylWrap HD Pipe Repair Bandage was then wrapped over the Tape for a protective shell against future corrosion, damage and flooding. The repair was temperature resistant to 200°C.

Result

Both damaged sections were successfully repaired with no disruption to the heating of properties.

Because SylWrap repairs are permanent, the council operating the system now had the option of cancelling its initial plans for a Spring replacement, saving significant costs along the way.

