

SYLWRAP Case Study



Suspended District Heating Pipe Repair

A 50mm steel pipe in a district heating system suspended in a ceiling required a live leak repair to keep the heating on after water began escaping



Steel pipe can be seen across the middle of the photo, spraying water which was damaging surfaces



Wrap & Seal applied to seal all leak areas



SylWrap HD encapsulated the pipe to finish the repair

Defect

A pinhole leak developed in a section of pipe suspended in the ceiling of a building. Pressurised water was jetting out in several directions, causing substantial damage to surrounding surfaces.

Flow could not be isolated as this would have involved shutting down heating for the building. A live repair with materials lightweight enough to be applied from a ladder was the only solution.

Solution

Sylmasta were already partnered with the energy company operating the heating system, whose vans are equipped with the **SylWrap Pipe Repair Contractor Case** for rapid emergency repairs.

A contractor was rushed to site. **Wrap & Seal Pipe Burst Tape** was applied to seal the leak. The Tape is temperature resistant to 260°C. It was stretched by the maximum 300% despite the lack of space, amalgamating to form a solid rubber band.

The entire section was then encapsulated with a **SylWrap HD Pipe Repair Bandage**, which set rock hard in minutes to reinforce the repair and protect the pipe from future breakages.

Result

Seeing the damage caused by a small leak in a short space of time showed the company first-hand the benefits of equipping their vans with Contractor Cases, capable of making up to six repairs..

Had a repair method not been readily available, this could have turned into a major incident for the heating system and building. Instead, the company's reputation was enhanced by the swift manner they reacted to and repaired the problem.

