# SYLWRAP Case Study

## Cement Coated Steel Pipe Live Leak Repair

A cement coated steel pipe on a water network in Mexico undergoes live leak repair after removal of the outer coating revealed a 80mm long split in the line

*A 15mm crack was discovered in the cement coating of the pipe, although no leakage was detected*

*As the cement coating was removed, water began spraying from a 80mm long split in the steel pipe*

*Once the coating had been fully removed, the steel pipe was sealed using a SylWrap Contractor Case*

*After the leak was sealed with Wrap & Seal, SylWrap Bandage replaced the protective concrete coating*

### Defect

A potential leak was identified on a cement coated steel pipe running beneath a street. Excavation of the line revealed a 15mm wide crack across the diameter of the outer coating of the pipe.

There was no sign of leakage through the crack. To inspect the condition of the steel inside, the cement was removed. As the coating was cut away, water began spraying from a 80mm long split in the pipe.

With no means of isolating this section of the water network, the only option was a live leak repair.

### Solution

The company who detected the leak and excavated the pipe equips all its engineers with a **SylWrap Pipe Repair Contractor Case**, meaning everything needed to repair the pipe was already on-site.

**Wrap & Seal Pipe Burst Tape** was used to seal the pipe. Multiple Tapes were wrapped up the length of the split until the leak had been arrested via the building of a repair resistant to 3bar.

A **SylWrap Pipe Repair Bandage** was then wrapped and smoothed over the pipe. It set rock hard in minutes, providing an impact resistant sleeve to replace the removed cement coating.

### Result

Having all the products readily available in a Contractor Case enabled an immediate repair lasting one hour, significantly reducing water loss.

All the products in the Contractor Case are WRAS approved, a requirement for the repair as the pipe was carrying potable water.

**Tel: +44 (0)1444 831459** **www.sylwrap.com** **Email: sales@sylmasta.com**

**Sylmasta Ltd, Halland House, Dales Yard, Lewes Road, Scaynes Hill, ENGLAND, RH17 7PG**