

SYLWRAP Case Study

Cast Iron Soil Pipe Leaking Above Hospital Ward

A 2-metre long horizontal crack in a 150mm cast iron soil pipe is sealed within 30 minutes of wastewater beginning to drip through a roof into a hospital ward



Wastewater was leaking through a 2-metre horizontal crack in the cast iron pipe, located above a ward

Defect

The cast iron soil pipe was located above a ward in a confined roof space. It was surrounded by other pipework, ducting and electrical cables.

Water starting to drip from the ceiling into the ward alerted the hospital to a problem.

The maintenance team accessed the roof space and found a 2-metre long horizontal crack in the cast iron pipe through which wastewater was leaking.



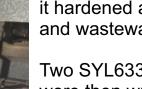
CrackSeal was extruded directly into the crack, hardening inside almost instantly to seal the leak

Solution

A **SylWrap Drain & Waste Pipe Repair Kit** was kept on-site for precisely this type of emergency. The Kit contains everything needed to make multiple repairs to pipework across the hospital.

The maintenance team retrieved the Kit and used CrackSeal Cast Iron Pipe Sealant to seal the leak.

CrackSeal was extruded directly into the crack, where it hardened almost instantly - despite the wet surface and wastewater continuing to leak through.



Two SYL633HD SylWrap Bandages were used to reinforce the CrackSeal repair

Two SYL633HD **SylWrap HD Pipe Repair Bandage** were then wrapped along the entire repair area, reinforcing the pipe with a rock-hard outer shell.



SylWrap provided a rock-hard, impact resistant sleeve across the entire section of cast iron pipe

Result

The repair was made at a time when UK hospitals were under scrutiny after a report revealed there had been over 456 sewage leaks into maternity units, A&E departments and wards over the previous 12 months.

In contrast to those prolonged and damaging leaks, the presence of a Drain & Waste Pipe Repair Kit meant this soil pipe was permanently sealed within 30 minutes of the crack being discovered.

Tel: +44 (0)1444 831459

www.sylwrap.com

Email: sales@sylmasta.com