

SYLWRAP Case Study



Air Conditioning Water Return Pipe Repair

A London hospital required a rapid leak repair after a burst 300mm pipe forced a shutdown of the air conditioning on a day when temperatures reached 27°C



Water was leaking from two deep cavities in the pipe



Superfast Steel and Wrap & Seal used to seal the leak



Two SylWrap HD Bandages completed the repair

Defect

The burst was through a previous repair attempt to a 300mm water return pipe. Two deep cavities were discovered on Sunday night and necessitated the shutdown of the air conditioning system as water escaping at 12 bar would have caused flooding.

With temperatures reaching 27°C on the Monday, a rapid leak repair was required to restore the air conditioning as soon as possible. Numerous alarms were triggered as equipment began overheating.

Solution

The maintenance team arrived at Sylmasta HQ first thing Monday morning to collect the products for the repair and receive technical advice based on photos taken of the pipe.

Coarse fibreglass strands from the previous repair were cut away to better access the two cavities in the pipe and improve the chances of sealing.

Superfast Steel Epoxy Putty was used to fill in the holes. The entire leak area was then wrapped with **Wrap & Seal Pipe Burst Tape** for added sealing security to eliminate any seepage around the putty.

The application was completed with two **SYL866HD SylWrap Pipe Repair Bandages** to provide a protective sleeve, further reinforcing the repair.

Result

By Monday afternoon, the pipe was repaired and the air conditioning system back in operation.

Without the repair and technical assistance provided, the hospital could have gone days without any air conditioning.

