

# SYLWRAP Case Study



## Cast Iron Wastewater Pipe Repair

A central London hotel faced having to close one of its most popular rooms after a cast iron wastewater pipe developed a large hole on an elbow joint



*First failed repair made using a pipe repair wrap*



*The 50 x 25mm hole in the pipe was located on a difficult elbow joint*



*Superfast Steel Epoxy Putty formed into a circular disc and used to seal the hole*



*The repair was completed by overwrapping with a SylWrap HD Pipe Repair Bandage*

### Defect

A 50 x 25mm hole on an elbow joint had developed in the pipe, which was located between the floor of one level of the hotel and the ceiling of another. Access was difficult with little room around the pipe.

A previous repair attempt had seen the hotel apply a repair wrap but because of the size of the hole, the pipe began leaking as soon as water pressure was turned back on.

### Solution

**Superfast Steel Epoxy Putty** was formed into a circular disc larger than the hole and attached to polythene sheeting. The disc of putty was then positioned over the hole with the edges pushed firmly onto the cast iron surface to form a good bond with the pipe, covering the hole.

Once cured, the putty successfully sealed the hole. It was overwrapped with a **SylWrap HD Pipe Repair Bandage** which provided an impact resistant layer over the initial repair for a permanent solution.

### Result

An hour after the repair was completed, water pressure was turned on and the pipe was restored to full working order.

By fixing the pipe quickly and easily, the hotel were able to avoid both the costly and time consuming process of sourcing contractors to repair or replace the pipe and the potential loss of earnings through having to close the affected room to the public.

