

SYLWRAP Case Study



Quarry Wash Plant Leaking Elbow Bend Repair

A leak close to a 90 degree bend in a 150mm steel pipe at a UK quarry forced the site to seek an alternative repair method to their normal use of a clamp



Defect

The pipe was located in the quarry wash plant, passing over a lake. A pinhole leak developed around 50mm from the elbow bend, allowing foul water to escape into the lake below.

Pipe repair clamps were the site's normal method of fixing leaks. Because the hole was so close to the bend, a clamp could not be fitted for this repair and so the quarry needed a more versatile solution capable of being effective on the bend.

The 150mm steel pipe was leaking from a pinhole close to a 90 degree elbow bend, meaning that a pipe repair clamp would not be effective

Solution

Once it had been established that the pipe could be isolated, a **SylWrap Standard Pipe Repair Kit** was delivered to site.

The pipe was cleaned prior to the repair. **Superfast Steel Epoxy Putty Stick** was kneaded by hand and pushed into the pinhole whilst soft. Within 10 minutes, it hardened to seal the leak in the pipe.

A **SylWrap HD Pipe Repair Bandage** was then applied around the leaking section. Once activated with water, the resin set rock hard in minutes to create an impact resistant sleeve around the pipe, reinforcing and protecting the repair.



Superfast Steel are SylWrap HD Pipe Repair Bandage provided a permanent repair despite the challenges posed by the elbow bend

Result

The application was completed in under 30 minutes by a member of the operations team at the quarry, following the instructions provided with the Kit.

Since the repair, the quarry have taken stock of further SylWrap Kits, knowing them to be a more versatile repair method than heavy, bulky clamps.

