

# SYLWRAP Case Study



## Quarry Wash Plant 300mm Plastic Pipe Repair

A 300mm plastic pipe pierced during day-to-day operations in a quarry wash plant undergoes a leak repair using a SylWrap Standard Pipe Repair Kit



*Jet of pressurised water escaping from the pinhole leak caused by a pierce to the plastic pipe*

### Defect

The 300mm plastic pipe fed the aggregate wash plant in the quarry. Once it became pierced, a highly pressurised jet of water began shooting from the pipe.

Replacing the damaged section would have been extremely disruptive to operations on site. The quarry needed a straightforward repair to keep downtime to a minimum.

### Solution

The quarry were supplied with a **SylWrap Standard Pipe Repair Kit**, which enables any user to fix a leaking pipe if pressure can be turned off.

**Superfast Copper Epoxy Stick** was used to seal the leak. The putty was kneaded by hand and pushed into the pinhole whilst soft, where it hardened to fill the breach.

A SYL633HD **SylWrap HD Pipe Repair Bandage** was applied over the top of the putty, providing an impact resistant layer of protection and creating a repair with pressure resistance up to 30 bar.

### Result

Within one hour, the repair was completed and the plastic pipe put back into service.

Sylmasta have since recommended that the quarry stock a **SylWrap Contractor Case**, containing enough products to make up to six live leak repairs.

Keeping a Case on site enables rapid response to regular pipe failures quarries suffer from, caused by the abrasive nature of the slurry being moved around.



*The completed repair reinforced with a SYL633HD SylWrap Pipe Repair Bandage*

