

SYLWRAP Case Study

Chemical Plant Methanol Pipe Leak Repair

The rapid repair of a 3 bar leak in a 300mm stainless steel methanol pipe reduces downtime and lost production for a chemical plant in Saudi Arabia



Wrap & Seal amalgamated to form a solid rubber band which contained the 3 bar methanol leak



The repair was reinforced by using SylWrap HD to create a rock-hard shell around the pipe

Defect

Hamco Arabia are an approved installer of SylWrap pipe repair products in Saudi Arabia. They were contacted by a major chemical plant in Dammam where a leaking methanol pipe required urgent repair.

Because methanol is toxic and highly flammable, the pipe was taken offline as soon as it started leaking. Shutting down the system caused severe disruption to production and operations at the chemical plant.

The 300mm pipe was fixed high up in the roof of a unit. Any repair materials needed to be lightweight enough to reach the height of the pipe. They also needed to be easy to apply in a confined space.

Solution

Hamco engineers rushed to the plant with a **SylWrap Pipe Repair Contractor Case**. One 50mm x 4m **Wrap & Seal Pipe Burst Tape** was taken from the Case and applied over the leak.

Despite the space constraints, Hamco were able to stretch Wrap & Seal to its 300 percent maximum during wrapping. The tape amalgamated to create a solid rubber band containing the 3 bar methanol leak.

The entire length of pipe was then reinforced with **SylWrap HD Pipe Repair Bandage**, which formed a rock-hard, impact resistant sleeve over the tape.

Result

Once SylWrap HD cured, the system was turned on. The repair was a success with no methanol leaking.

Hamco sealed the leak within 30 minutes of arriving on site. The plant were so impressed with the speed of repair and reduced downtime, they have asked Hamco to supply them with more Sylmasta products.