

Belzona repairs and reinforces leaks in gas threaded pipes

ID: 10314

Industry: Chemical & Petrochemical

Customer Location: Hebei, China

Application: VPF-Valves, Pipes and Fittings

Application Date: June 2026

Substrate: Carbon steel

Products: Belzona 1111 (Super Metal), Belzona 1212, Belzona SuperWrap II

Problem

There are sand holes at the base of the threaded pipe at the inlet to the drum cooler, resulting in a slight gas leak. The circumferential welded seam of the threaded pipe requires reinforcement and protection. The pipe is a negative-pressure pipe with a diameter of 1.4 metres and operates at ambient temperature.



Leaking pipe with sand holes



Application of Belzona 1212 and Belzona 1111



Application of Belzona Superwrap II



Application completed

Application Situation

The pipe is a negative-pressure pipe with a diameter of 1.4 metres and operates at ambient temperature. The medium is coke oven gas. The client requires online reinforcement and strengthening of weld seam. Superwrap II system was chosen by client because it requires no hot work, allows for in-situ maintenance whilst the pipeline is in operation, and is easy for application.

Application Method

Seal the sand holes with Belzona 1212, then rebuild the entire circumference of the weld seam with Belzona 1111. Finally, use the Superwrap II system to reinforce the pipeline as a whole.

Belzona Facts

Superwrap II system restores the integrity of the pipeline and reinforces it, providing long-term protection for the equipment.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015

FS 695214

ISO 14001:2015

EMS 695213

Belzona products are
manufactured under an ISO
9000 Registered Quality
Management System.

www.belzona.com


BELZONA
Repair • Protect • Improve