

Belzona SuperWrap II secures integrity of pipeline

ID: 9054

Industry: Chemical & Petrochemical
Application: VPF-Valves, Pipes and Fittings
Substrate: Carbon steel
Products: Belzona 1983 (SuperWrap II)

Customer Location: Rotterdam
Application Date: March 2023

Problem

At a factory in Rotterdam area, integrity of a pipeline was critical due to decreasing of wall-thickness. The pipeline was important for the production process, so it could not be taken out of service. The wall thickness was so critical, that blasting or grinding activities would cause leakages and was not possible.



Surface preparation. A thin layer of Belzona 1983 onto the pipe.



After curing removing the Belzona 9382 tape to inspect the application



First 5 meters of Belzona SuperWrap completed. 35 meter to go.



Finished application halfway the pipe.

Application Situation

To bring strength back to this pipe we offered a Belzona SuperWrap II. No leaks were detected, so Belzona SuperWrap was applied directly on the hot pipe at 30 degrees Celcius. A small landing area was created on both ends of the wrap, so it would have a good adhesion. In total 3 layers were applicated on the straight parts and 6 layers on the corners.

Application Method

At critical area's like support's and flanges the area was grinded with MBX Bristle Blaster. Also the landing area's (300 mm wide) were prepared with MBX Bristle Blasters (ATEX).

Belzona Facts

In total 30 meters of pipeline was wrapped by the Super Wrap II
The integrity op this pipeline is reassured without any downtime and production stop.

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ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

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