Pipe repair with Belzona 1983

ID: 10337

Industry:	*Chemical & Petrochemical*	Customer Location:	*Slovakia*
Application:	*VPF-Valves, Pipes and Fittings*	Application Date:	*February 2024*
Substrate:	*Carbon steel*		
Products:	*Belzona 1212,Belzona 1983 (SuperWrap II),Belzona 9111 (Cleaner Degreaser)*		

Problem

The pipeline was exposed to weather conditions (rain, snow,...) without protection, which are very unfavorable in this location (Slovakia). Due to these conditions, there was a rapid loss of material on the pipe wall, which led to the pipe being damaged and starting to leak. However, the equipment is so important for the customer's production that he could not shut it down.



The pipe being damaged and starting to leak



We chose to repair using free drains



Using free drains



Belzona SW II application

Application Situation

Pipe replacement was unthinkable given the situation (the customer needed continuous production). The problem was not only the leakage of the medium, but also the risk of the pipeline being damaged in other places. In the end, we chose to repair using free drains in combination with the SW II system. The customer has very good experience with Belzona products, so he accepted the solution we proposed very quickly.

Application Method

The application was completed in accordance with Belzona System Leaflet VPF-11. The surface was blasted to the 75 microns profile and cleanness Sa 2,5. Then the surface was chemically cleaned. For damage repairs was Belzona 1212 used. Then Belzona 1983 and 9381 were applied in 2 layers. The system was then wrapped to Belzona 9382 to consolidate and compress during cure. Upper layer of the Belzona 9382 was removed after sufficient curing time. After the Belzona products had cured, the drains were closed.

Belzona Facts

The customer was looking for an alternative to replacing the pipe, and finally received a fast, safe, economical and high-quality solution.

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