

Reinforcement Of Sewage Pipeline With Belzona SuperWrap II In A Sewage Treatment Plant

ID: 8439

Industry: Water / Wastewater

Customer Location: Sewage Treatment Plant, Białystok, Poland

Application: VPF-Valves, Pipes and Fittings

Application Date: November 2020

Substrate: Steel

Products:

- * Belzona 9611 (ES-Metal) ,
- * Belzona 1221 (Super E-Metal) ,
- * Belzona 1161 (Super UW-Metal) ,
- * Belzona 1111 (Super-Metal) ,
- * Belzona 1983 (Superwrap II) ,
- * Belzona 9381 (SuperWrap II Reinforcement Sheet) ,
- * Belzona 9382 (Release Film) ,
- * Belzona 5811 (Immersion Grade) ,

Problem

The pipe eroded over time and this resulted in a weakening of the pipe wall and weld seams. The pipe wall was very thin and there was a risk of an ecological disaster. As the pipe could not be cut off, a cold applied Belzona repair was chosen.



Photograph Descriptions

- * Image 1: Leakage on the asset ,
- * Image 2: Reinforcement Application ,
- * Image 3: Super Wrap II Complete ,
- * Image 4: application Complete with a coat of Belzona 5811 ,
- * ,

Application Situation

The Pipeline at a Sewage Treatment Plant in Poland had suffered thin-wall defects in four stub pipes DN600.

Application Method

The application was carried out as per the Belzona System Leaflet VP11 and Belzona Superwrap II method statement provided. Belzona 9611 and Belzona 1221 were used to successfully to stop the leak within minutes. Following thorough grit blasting all pitting and weld seams were filled with Belzona 1111 and Belzona 1161, which accounted for about 90% of the substrate surface. After that the Belzona Superwrap II system was applied. Finally it was coated with Belzona 5811.

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
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Belzona Facts

Belzona cold applied solutions were the only option as the pipe could not be turned off. The fact that Belzona products has potentially stopped an ecological disaster is great news for the customer and the wider environment around the geographical area of this plant.

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