

Belzona helps in the Restoration of an Irrigation Pipeline

ID: 8049

Industry: *Fluid Flow*
Application: *TCC-Tanks and Chemical Containment Areas*

Customer Location: *Italy*
Application Date: *May 2019*

Substrate: *Carbon Steel*

Products: ** Belzona 1121 (Super XL-Metal) ,
* Belzona 1982 (SuperWrap 2) ,
* Belzona 9381 ,
* Belzona 5821 ,*

Problem

The internal walls of the pipeline were suffering from severe corrosion and wear over time. Outright replacement of the pipe wasn't an option as the pipeline was buried 10 meters below ground and embedded within a concrete structure.



Photograph Descriptions

- * View after sandblasting ,
- * Application of Belzona 1121 ,
- * Application of Belzona 1982/9381 ,
- * Application of Belzona 5821 ,

Application Situation

Restoring an old irrigation pipeline within a pumping station.

Application Method

This application was carried out in accordance with system leaflet TCC-05. The internal walls of the pipeline were sandblasted and

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

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then any pitted areas were filled in with Belzona 1121. A Belzona SW2 system was then fabricated to create a "pipe within a pipe" to restore the existing pipeline. Finally 2 coats of Belzona 5821 was applied over the SW2 system to provide corrosion and erosion resistance.

Belzona Facts

The Belzona solution avoided a costly and complex replacement of the system and allowed the pipeline to be put back in service within a few days. Now the plant will be able to cater to the needs of the farmers and avoid lengthy downtime in the future.

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