

BELZONA RESTORES STRUCTURAL INTEGRITY AND STOPS LEAK.

ID: 8470



PROBLEM

Corrosion and thinning of the pipeline had failed on most welds. There was an area on a T-junction where the line was leaking extensively. Due to the awkward positioning of the pipe, welding was not possible.

APPLICATION SITUATION

A requirement to repair a water line pipe. They required the application to last for five years.

APPLICATION METHOD

The application was carried out as per the Belzona System Leaflet VP11 and Belzona Superwrap II method statement provided. In order for the products to adhere successfully to the substrate, we had requested the organization to divert the water supply from the pipeline. Once this was achieved, We had to manually prep the substrate. Belzona 1161 was used to rebuild the profile and stop the leak. After consulting the IFU for 1161, Belzona 1982 was used. The Belzona SuperWrap II release film was then wrapped over the repair and the left to cure.

BELZONA FACTS

Replacement of new pipelines requires massive downtime operations, long application window, and on-site hot work which meant safety hazards. It wasn't economically feasible to replace the section. Belzona high-temperature coatings have been consistently used on-site to tackle various issues. After multiple site visits and presentations, Belzona super wrap was selected. The products ability to quickly restore the original strength of the pipeline without any operating downtime was a key factor in product selection. The previous repair had lasted a year after it was installed.

INDUSTRY

Power

LOCATION

Binary cycle power plant, Central north island, New Zealand.

APPLICATION DATE

December 2020.

PRODUCTS

Belzona 1161 (UW Metal)
Belzona Superwrap II 1982
Belzona 9381 (SuperWrap II Reinforcement Sheet)
Belzona 9382 (Release Film)
Belzona 9111 (Cleaner Degreaser)

SUBSTRATE

Steel

PHOTOS

1. Badly damaged T-section of the pipe
2. Manually prepped surface
3. Application of Belzona Superwrap II
4. Final output

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

Belzona products are manufactured under an ISO 9001 Registered Quality Management System.

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