

VALVE BODY ASSEMBLY PROTECTED WITH BELZONA

ID: 9935



PROBLEM

The valve assembly had damage on it from erosion of years of use in the water industry. Most of the machine surfaces had to be repaired using Belzona.

APPLICATION SITUATION

The customer was evaluating a costly replacement of a valve assembly . By selecting the Belzona solution, they avoided extended downtime and significant capital expenditure. The application was performed at the local Belzona Workshop , restoring structural integrity and providing long-term corrosion protection at a fraction of the cost of replacement.

APPLICATION METHOD

The internal surfaces were abrasive blasted to obtain a clean and rough surface with an anchor profile of approximately 3 mils. A chloride contamination test was performed after blasting to confirm surface suitability. Degreasing was then carried out using Belzona 9111. Areas with visible metal loss or damage were rebuilt using Belzona 1111 (Super Metal). After the rebuilding process, Belzona 1321 (Ceramic S-Metal) was applied in two coats, grey followed by blue, to ensure full coverage and long-term corrosion. protecon.

BELZONA FACTS

Belzona can protect the equipment for the long-term, preventing replacement of the equipment.

INDUSTRY

Water / Wastewater

LOCATION

Cape Town

APPLICATION DATE

July 2018

PRODUCTS

Belzona 1111 (Super Metal)

Belzona 1321 (Ceramic S-Metal)

SUBSTRATE

Carbon steel

PHOTOS

1. Valve body assembly arriving for preparation and application
2. First coat of Belzona 1321 being applied
3. Second coat of Belzona 1321 being applied
4. Valve body assembly done

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