

CORRODED FLANGE GROOVES REFORMED WITH BELZONA

CUSTOMER

Hydropower plant, Switzerland

APPLICATION DATE

February 2012

APPLICATION SITUATION

Flange grooves in four pipe flanges. Each flange had a diameter of 1820mm; the grooves were 16mm wide and 3-4mm deep.

PROBLEM

Corrosion leading to incorrect sealing of mating surfaces

PRODUCTS

Belzona 1111 (Super Metal)

Belzona 1321 (Ceramic S-Metal)

SUBSTRATE

Steel

APPLICATION METHOD

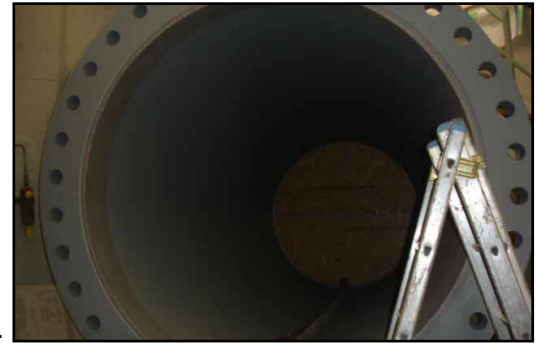
Application was carried out in accordance with Belzona System Leaflet VPF-1. After grit blasting, Belzona 1111 was packed densely into the groove and, using a simple pre-cut template, the original profile was recreated. Finally, a thin layer of Belzona 1321 was applied to create a smoother surface.

BELZONA FACTS

Welding would have taken three to four weeks for two people to complete, a considerable delay in the refurbishment of this hydropower plant. The simple and cold-applied Belzona solution was carried out in just six working days by three people and now ensures long-term corrosion protection of the liner grooves.

PICTURES

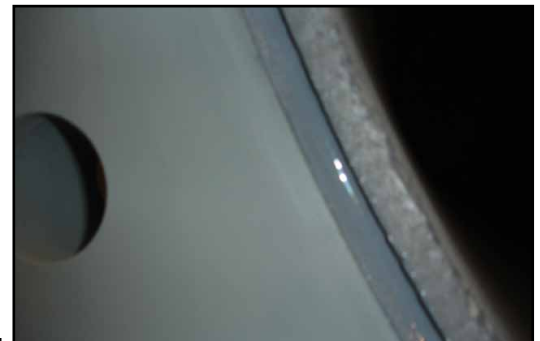
1. General view of the equipment before application
2. A pre-cut template allows for simple, effective defining
3. Belzona 1321 applied for a smoother surface
4. Pressure pipe after re-assembly



1.



2.



3.



4.

For more examples of *Belzona Know-How In Action*, please visit <http://khia.belzona.com>



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