

BELZONA APPLIES ANTI-CORROSIVE COATING ON A THICKENER

CUSTOMER

Mine, PA, Brazil

APPLICATION DATE

January, 2012

APPLICATION SITUATION

Thickener.

PROBLEM

The wall area and the bottom of the thickener presented areas with localized corrosion, which needed thickness and internal lining repair. In addition protection of the steel plate against corrosion, caused by copper pulp at room temperature, was required.

PRODUCTS

Belzona 1311 (Ceramic R-Metal)

Belzona 1321 (Ceramic S-Metal)

Belzona 5831 (ST Barrier)

Belzona 9341 (Reinforcement Tape)

SUBSTRATE

Carbon Steel

APPLICATION METHOD

The coating was applied on half of the internal area of the wall and on half of the support beams of the bottom of the thickener based on Belzona Know-How System Leaflets TCC-1 and TCC-5. First, the thickener was washed to remove the copper ore residues. Following the surface preparation, with dry abrasive blast to achieve near white metal finish, the holes, pits and existing welds were repaired with Belzona 1311. After that, Belzona 1321 was applied on the bottom of the thickener, and Belzona 5831 was applied on the wall.

BELZONA FACTS

The application was successful and Belzona 5831 offered excellent protection even when applied on damp surfaces

PICTURES

1. Hole on the bottom of the thickener
2. Hole on the wall of the thickener
3. Supporting beam on the bottom of the thickener coated with Belzona 1321
4. Wall coated with Belzona 5831



1.



2.



3.



4.

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



ISO 9001:2008
Q 09335
ISO 14001:2004
EMS 509612

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