

Belzona Cold Plate Bonding Reinforces and Repairs Silos

ID: 8578

Industry:

Application: TCC-Tanks and Chemical Containment Areas

Substrate: Carbon steel

Products: * Belzona 1111 Super Metal and Belzona 1121 Super XL-Metal ,

Customer Location: Western Australia.

Application Date: June 2018

Problem

Inspections were carried out on the Silos and they were found to have severe corrosion loss to the bottom sections of all Silos. Because the Silos are internally coated welding was not an option.



Photograph Descriptions

- * 1. The 8 x Nickel Storage Silos. ,
- * 2. Pitted and corroded Silo wall. ,
- * 3. Plates bonded in place going around the Silo. ,
- * 4. Completed application. ,

Application Situation

Corrosion repairs needed to 8 x Nickel Storage Silos.

Application Method

The application was carried out by Cold Bonding 200mm x 1m rolled plates with Belzona in accordance with Belzona Know-How System Leaflet TCC-1. After abrasive blasting, all corrosion holes were first repaired by filling with Belzona 1111. Belzona 1111 was then applied to the plates which were bonded into place. Belzona 1121 was used when temperatures rose above 35°C to allow more working time.

Belzona Facts

Belzona Cold Plate Bonding system was chosen because it was safer and more cost effective than welding alternatives. The cold application saved the internal coating and the need to empty each silo. This saved time and avoided any down time which would have cost thousands of dollars.

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

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

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