Belzona Cold Plate Bonding Repairs & Reinforces Silos

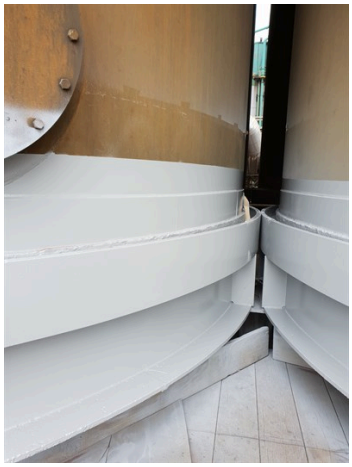
ID: 8050

Industry:	*Mining & Quarrying*	Customer Location:	*Western Australia.*
Application:	*TCC-Tanks and Chemical Containment Areas*	Application Date:	*June 2018*
Substrate:	*Carbon steel.*		
Products:	** Belzona 1111 (Super-Metal) ,* ** Belzona 1121 (XL Super-Metal) ,*		

Problem

Inspections were carried out on the Silos and they were found to have severe corrosion loss to bottom sections of all Silos. To empty each Silo would have been a major cost and 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 in place going around the Silo. ,
* 4. Completed application. ,

Application Situation

Mining: 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 the Method Statement for Cold Plate Bonding. 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. Additionally, the Belzona solution is as strong as welding and eliminates the void where corrosion can continue.