# BELZONA REPAIRS AND PROTECTS SX/EW TANKHOUSE CELL

ID: 4931

Industry: Mining & Quarrying Customer Location: Copper Mine, Arizona

Application: TCC-Tanks and Chemical Containment Application Date: 2011 - 2013

Areas

Substrate: Polymer concrete

Products: \* Belzona 4111 (Magma Quartz),

\* Belzona 4341 (Magma CR4),

#### **Problem**

Polymer concrete SXEW process cells had been experiencing cracking which caused leakage of copper sulfate electrolyte solution. The furniture rails which suspend the copper anode plates were experiencing resin burnout from heat transfer through the cathodes.









## **Photograph Descriptions**

- \* Overview of the tankhouse cell,
- \* Furniture rails repaired with Belzona 4111,
- \* Tankhouse cell protected with Belzona 4341,
- \* Tankhouse cell protected with Belzona 4341,

### **Application Situation**

Copper mine SX/EW processing tankhouse was experiencing numerous process and maintenance problems due to sulfuric acid attack at 120°F.

# **Application Method**

The application was carried out in accordance with Belzona Know-How System Leaflet TCC-3. The cell surfaces were prepared by a combination of grit blasting and grinding. Then the furniture rails were formed and repaired with Belzona 4111. Finally Belzona 4341 was applied monolithically to prevent further damages.

# **Belzona Facts**

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

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FS 695214 manufactured under an ISO
ISO 14001:2015 9000 Registered Quality
EMS 695213 Management System.

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