

BELZONA PROTECTS ELECTROLYTE RECIRCULATION TANKS

ID: 4933



PROBLEM

Electrolysis combined with chemical attack and metal fatigue were causing leaking at the weld seams of the tanks.

APPLICATION SITUATION

Copper sulfate (electrolyte) storage tanks experiencing leakage due to sulfuric acid attack at 120 °F.

APPLICATION METHOD

The application has been completed in two tanks in accordance with Belzona Know-How System Leaflet TCC-3. The first one was carried out with paint brushes & rollers, and the second one was installed with spray application.

BELZONA FACTS

The tanks had been experiencing leakage for years with the subsequent loss of product/copper sulfate as well as the extreme damages which were taking place on the concrete containment area surrounding the tanks.

INDUSTRY

Mining & Quarrying

LOCATION

Copper Mine, Arizona

APPLICATION DATE

2011 - 2012

PRODUCTS

Belzona 4341 (Magma CR4)

SUBSTRATE

Stainless Steel

PHOTOS

1. Overview of the electrolyte recirculation tank
2. Tank leaking and deteriorating the concrete containment area
3. Interior tank walls prior to coating
4. Interior tank walls following Belzona 4341 application

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