

# BELZONA ELECTRICAL CONDUITS MADE SAFE

ID: 68

Industry: Power

Customer Location: Coal Fired Power Plant in North Texas

Application: GSS-Gaskets, Seals and Shims

Application Date: Ongoing since August, 1995

Substrate: Galvanized metal and concrete

Products: \* Belzona® 2111 (D&A Hi-Build) ,  
\* Belzona® 4111 (Magma Quartz) or Belzona® 4131 (Magma Screed) ,  
\* Belzona® 3921 (GSC Conditioner) or Belzona® 6111 (Liquid Anode) ,

## Problem

Sulfur in lignite (coal) combines with water (moisture) to form a weak sulfuric acid that corrodes the conduit.



## Photograph Descriptions

- \* Big bank of electrical conduit sealed with Belzona® 2111. ,
- \* Another electrical conduit top dressed with Belzona® 4131. ,
- \* Close-up view of conduit, also coated with Belzona® 3921 for corrosion protection. ,

## Application Situation

Electrical conduit in demineralization, scrubber, pulverizer and crusher areas

## Application Method

The application was carried out in accordance with a modified version of Belzona Know-How Leaflet GSS-4.

## Belzona Facts

If the conduit corrodes, the high voltage electrical cables (4000-6000 volts) inside pose a severe safety issue during cleaning. The Belzona application saved hundreds of thousands of dollars as the alternative to this repair is to run new electrical cables.

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

ISO 9001:2015

Belzona products are

FS 695214

manufactured under an ISO

ISO 14001:2015

9000 Registered Quality

EMS 695213

Management System.

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