

# BELZONA COATS THE EXTERIOR OF AN ACID PUMP

ID: 5090

**Industry:** Mining & Quarrying  
**Application:** CEP-Centrifugal Pumps  
**Substrate:** Stainless steel  
**Products:** \* Belzona 4311 (Magma CR-1) ,

**Customer Location:** Mine, Chile  
**Application Date:** October 2006

## Problem

The acid spilt onto the pump, which caused the equipment to be removed from service and the pump did not last as long as the mine wanted to.



## Photograph Descriptions

- \* First blasting of the pump ,
- \* Second blasting, ready to apply the coating ,
- \* Application of Belzona 4311 ,
- \* Pump coated with Belzona 4311 ,

## Application Situation

The client required a coating for the pump to protect it from acid spillage and prevent corrosion.

## Application Method

The pump was blasted to white metal to eliminate the acid contained in the substrate. Then, two coats of Belzona 4311 were applied to the external part of the pump.

## Belzona Facts

The client was able to extend the operating time of the pump with the application of the Belzona 4311. Additionally, the cost to protect the pump was lower than the cost of replacement. As a result, the client requested for all the pumps to be coated.

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

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