

# BELZONA EXTENDS THE LIFE OF SLURRY PUMP CASINGS

ID: 6422

**Industry:** Mining & Quarrying  
**Application:** CEP-Centrifugal Pumps  
**Substrate:** Carbon Steel  
**Products:** \* Belzona 1311 (Ceramic R-Metal) ,

**Customer Location:** Copper Mining Company, Bulgaria  
**Application Date:** February, 2016

## Problem

The casings were badly worn, even through the whole thickness in some places.



## Photograph Descriptions

- \* General view of casing before repair ,
- \* Manual preparation of repaired surfaces ,
- \* Application in progress ,
- \* Final view of completed application. ,

## Application Situation

Three casings of Slurry pumps with removable thick rubber protectors at flotation production site.

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet CEP-5. Surfaces were mechanically abraded. Then all pitting and damage was filled with Belzona 1311 and when cured the surfaces were smoothed by grinding.

## Belzona Facts

Application took three days to be completed. The customer saved €30,000 of not buying new casings compared to only 10-15% for a Belzona repair. The customer wanted to try Belzona on these casings as they had previous experience in 2015. Two large centrifugal pumps were repaired and protected, when the pumps were opened for inspection after 9 months they were found to be in good condition.

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

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

Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
Management System.

[www.belzona.com](http://www.belzona.com)

**BELZONA**  
Repair • Protect • Improve