

# BELZONA APPLIES ANTI-ABRASIVE LINING ON MILL'S TRUNNION

ID: 4891

Industry: Mining & Quarrying  
Application: SHM-Solids Handling Machinery

Customer Location: Mine, ES, Brazil  
Application Date: November 2005

Substrate: Cast Iron  
Products: \* Belzona 1311 (Ceramic R-Metal) ,  
\* Belzona 1812 (Ceramic Carbide FP) ,

## Problem

Ore, (100% solid), in contact with the trunnion, combined with humidity and room temperature, generates corrosion and abrasion. The application of a product was necessary in order to protect the worn surface against corrosion and abrasion at the operating equipment temperature of 50°C.



## Photograph Descriptions

- \* Trunnion after blasting ,
- \* Application in progress ,
- \* Finished work. Equipment coated with Belzona 1311 and Belzona 1812 ,

## Application Situation

Mill's trunnion

## Application Method

This application was carried out based on Belzona Know-How System Leaflet SHM-13. Surface was prepared by grit blast (Sinter Ball) to achieve the appropriate roughness and cleanliness standards. After the surface preparation, Belzona 1311 was applied on the areas with pores in order to level the surface. After that, Belzona 1812 was applied as a final coating.

## Belzona Facts

Belzona 1812 successfully offered protection to surfaces subjected to abrasive attack.

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

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