

# Belzona Ball Mill Trunnion Repair

ID: 8074

Industry: *Mining & Quarrying*  
Application: *MPT-Mechanical Power Transmission*

Customer Location: *Portugal*  
Application Date: *2018*

Substrate: *Steel*  
Products: *\* Belzona 1121 (Super XL-Metal) ,*

## Problem

*Wear caused over time by the rotating mill grinding against the trunnion section. Also abrasion from the minerals and ores being ground as part of the mining process.*



## Photograph Descriptions

- \* 1. Damaged trunnion section ,
- \* 2. Surface preparation using an MBX ,
- \* 3. Applying the Belzona 1121 ,
- \* 4. Final application ,

## Application Situation

Repair of the trunnion section of a grinding mill

## Application Method

Application carried out using a modified version of system leaflet MPT-07. An MBX bristle blaster was used to prepare the surface, allowing the paste grade to adhere to the substrate. 17 Kg's of Belzona 1121 was then applied around the circumference of the

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FS 695214  
ISO 14001:2015  
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trunnion section and smoothed out with an applicator to rebuild the lost materials.

## Belzona Facts

The customer rang Belzona the night before asking for an emergency repair. Belzona arrived the following morning to carry out the repair and had the system back up and running that day.

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