

# Belzona in the Cement Industry

ID: 8545

Industry: Mining & Quarrying

Customer Location: Germany

Application: SHM-Solids Handling Machinery

Application Date: April 2020

Substrate: Steel

Products: \* Belzona 1121 (Super XL Metal) <br /> Belzona 1812 (Ceramic Carbide FP) <br /> Belzona 4111 (Magma-Quartz) <br /> Belzona 4911 (Magma TX Conditioner) ,

## Problem

In the mill there is a chamber for pre-drying with lift paddles. Under the paddles the wall eroded over years from cement dust (between 0 and 12mm). When the client changed the paddles, they wanted an inner wall surface like new (for a complete bearing area).



## Photograph Descriptions

- \* 1: Ball mill in a cement plant (diameter 4000mm) ,
- \* 2: Belzona 4111 and steel base for the right height (for Belzona 4111 and 1812 with two different templates) ,
- \* 3: Every second area complete rebuild with Belzona 1812 (4mm) ,
- \* 4: After removing the steel base 1812 applied in the rest of the area ,

## Application Situation

Ball Mill 4000mm diameter in Germany.

## Application Method

Application was carried out in accordance with modified version of the Belzona Know-How System Leaflet SHM-7.

## Belzona Facts

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)

  
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Existing customer does a lot of work with Belzona wear protection materials. The customer buys around 100 kg of Belzona 1812 per year for in-house repairs. An enquiry for the same work in a second mill was requested for a later date.

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