

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)
 Belzona 1812 (Ceramic Carbide FP)
 Belzona 4111 (Magma-Quartz)
 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

BELZONA
Repair • Protect • Improve

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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