

Belzona controls severe abrasion in a cone crusher

ID: 8366

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

Customer Location: *Quarry in Croatia*
 Application Date: *August 2020*

Substrate: *Steel*
 Products: ** Belzona 9811 (Alumina Tiles) ,*
** Belzona 1121 (Super-XL Metal) ,*
** Belzona 1812 (Ceramic Carbide FP) ,*

Problem

Abrasion is most severe on two positions inside the crusher housing - each size of 20x40 cm. In September 2019, we applied two meshes of Belzona 9811 alumina tiles, bonded with Belzona 1121 and grouted with Belzona 1812. After 11 months, approximately half of the surface was still OK, and the other half (more exposed), needed upgrade.



Photograph Descriptions

- * 1. Cone crusher - view from above ,
- * 2. Cone crusher - view from the inside, situation after 11 months of operation ,
- * 3. Belzona 9811 bonded with Belzona 1121 ,
- * 4. Application finished after grouting with Belzona 1812 ,

Application Situation

Cone crusher in a quarry suffers from severe abrasion due to transport of sharp-edged rocks, which scrape and collide against the mantle.

Application Method

The application was carried out according to SHM-7. Surface was cleaned and then prepared with a grinder.

Belzona Facts

Customer initially needed a quick repair over the weekend, because the plant operates 24/7 through the working days. Last year, we used the same method as now. After 11 months, some 50% of surface needed upgrade and the rest was still OK. The customer needed to invest only a fraction of last year's price to get the same result as last year. We are looking forward to ongoing business here.

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

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

