

# BELZONA PROTECTS NEW HOPPER FROM ABRASION

ID: 6150

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

Customer Location: *Cement plant, Croatia*  
Application Date: *April 2016*

Substrate: *Steel*  
Products: *\* Belzona 1111 (Super Metal), ,*  
*\* Belzona 1813 ,*  
*\* Belzona 9811 ,*

## Problem

*The hopper is situated on top of the machine and one section suffers from severe abrasion. Structural failures on that section would cause safety and operational problems.*



## Photograph Descriptions

\* 1. Damaged old hopper. Welding to critical section is visible from the outside 2. New hopper with surface prepared. 3. Belzona 9811 bonded in place using Belzona 1111 4. Grouting Belzona 9811 tiles with Belzona 1813. ,

## Application Situation

De-dusting machine operating in the cement plant.

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet SHM-7

## Belzona Facts

Premature failure of the hopper caused downtime and hopper needed to be repaired by welding. In order to prevent such failures in the future and extend working life of the hopper, customer was looking for a way to protect its critical section before installation. Belzona is already used on this machine (pipe elbow that is connected to the hopper), so customer decided to also use Belzona in this case.

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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