

BELZONA REPAIRS A RAW MILL IN A CEMENT INDUSTRY

CUSTOMER

Ireland

APPLICATION DATE

2014

APPLICATION SITUATION

Wear plates on rollers

PROBLEM

There are three rollers per mill and there are 12 wear plates (1200 kg each) per roller. The clamps are fixed with 4 large bolts. There was play between the wear plate and the roller and the bolts and clamps were failing, leading to a forced stoppage of the mill.

PRODUCTS

Belzona 1111 (Super Metal)

SUBSTRATE

Mild Steel

APPLICATION METHOD

The application was completed in accordance with Belzona Know-How System Leaflet SHM-8. Two wear plates were removed from the roller at a time and the area on the roller was grit blasted. The back of the new wear plate was also grit blasted and Belzona 1111 was applied to the roller in a layer of approximately 2cm thick in the position corresponding to one wear plate. The wear plate was then fitted onto the wet Belzona 1111 to create a perfect seat. The process was repeated until 12 wear plates had been installed.

BELZONA FACTS

Belzona 1111 was chosen by the customer here because it has the required properties for this specific application (high compressive strength, workability, etc). This application has been 100% successful since 2014. This job is repeated annually when the wear plates are being replaced. There are 2 mills in this factory (raw mill and cement mill) which are very similar.

PICTURES

1. Before application
2. After surface preparation
3. After application of Belzona 1111
4. Final application



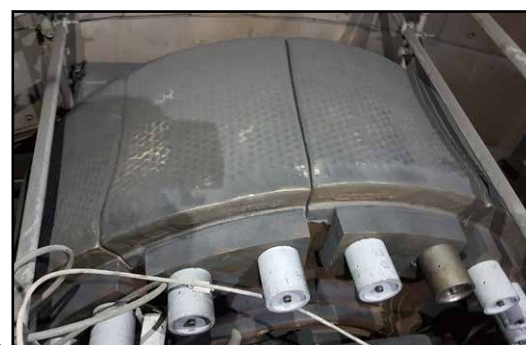
1.



2.



3.



4.

For more examples of *Belzona Know-How In Action*, please visit <http://khia.belzona.com>



ISO 9001:2008
Q 09335
ISO 14001:2004
EMS 509612

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