

# BELZONA PREVENTS COSTLY LEAKAGE

ID: 1024

Industry: *General Industry*  
Application: *GSS-Gaskets, Seals and Shims*  
Substrate: *Carbon Steel*  
Products: *Belzona® 1812 (Ceramic Carbide FP)*

Customer Location: *Cement plant, Bulgaria*  
Application Date: *March, 2008*

## Problem

*The ingress of limestone particles into the 10-20mm gap between the tubular screw conveyor and its housing leads to wear and leakage of milling media outside the mill.*



## Photograph Descriptions

\* View of the gap between the tabular screw conveyor and the housing , \* Belzona® 1812 being applied , \* Completed application

## Application Situation

Ball Mill used to grind limestone for cement production.

## Application Method

Application was carried out in accordance with modified versions of Belzona Know How Leaflet GSS-9 and VPF-2.

## Belzona Facts

The Belzona was chosen in order to prolong the life of tubular screw conveyor. The customer had used different epoxy-based products to solve the problem but with limited success. Welding was not considered due to high cost and stress buildup. The Belzona solution proved to be much easier and faster to apply saving the plant more than 5000 euros in replacement and maintenance costs.

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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