

# BELZONA PROTECTS AUGER SCREWS AT CEMENT PLANT

ID: 1437

Industry: *Cement*

Application: *SHM-Solids Handling Machinery*

Customer Location: *Cement Producer, Lithuania*

Application Date: *February 2010*

Substrate: *Carbon steel*

Products: \* *Belzona® 1812 (Ceramic Carbide FP)* ,

\* *Belzona® 1321 (Ceramic S-Metal)* ,

## Problem

*The auger screws suffer severe abrasion and client needed an effective protection system.*



## Photograph Descriptions

- \* General view of screws after 1 year in service ,
- \* The view after surface preparation ,
- \* Belzona® 1812 application on both sides of helical outer surfaces ,
- \* Belzona® 1321 application and completed job ,

## Application Situation

Coal transporter at cement plant.

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet SHM-14.

## Belzona Facts

Application of Belzona® 1321 on top of the Belzona® 1812 gave smoother finish, which prevented the damp coal sticking to the screw surfaces. Local repairs to high wear areas were carried out annually to maintain the screw protection until new plant was installed in 2012.

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  
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