

# Abrasion Protection of Linatex Tower

ID: 8162

Industry: General Industry  
Application: SHM-Solids Handling Machinery

Customer Location: Quarry, Scotland UK  
Application Date: 2019

Substrate: Steel  
Products: \* Belzona 1321 (Ceramic S-Metal) ,  
\* Belzona 1812 (Ceramic Carbide FP) ,  
\* Belzona 9811 ,

## Problem

The abrasive qualities of sand had resulted in wear and holes on the steel chute. The equipment only lasted six months before wearing out, so a more permanent solution was required by the client.



## Photograph Descriptions

- \* Equipment prior to coating ,
- \* Application of Belzona 1321 ,
- \* Tiles grouted in-place ,
- \* Completed application after six months in service ,

## Application Situation

Sand drops into the entrance of the chute causing excessive wear.

## Application Method

Belzona 1321 was used as an adhesive for the Belzona 9811 Alumina tiles. They were then grouted in with Belzona 1812. As not to

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FS 695214  
ISO 14001:2015  
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waste the left of material, Belzona 1812 was then applied over the tiles. The application was carried out in accordance with Belzona System Leaflet SHM-7.

## Belzona Facts

The service life of this part is normally six months. Fabrication of a new chute cost around £500, plus a day lost for production every 6 months. The cost of the Belzona repair was 25% less and is still showing no signs of deterioration.

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