

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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