

PROTECTION OF BIOMASS INCINERATOR CHUTES WITH BELZONA

ID: 8448



PROBLEM

Excessive wear of stainless steel chutes when operating at elevated temperatures. The client was looking for a long-term solution to protect the substrate.

APPLICATION SITUATION

Application inside biomass incinerator chutes (dimension 500x500x2700mm)

APPLICATION METHOD

Application was carried out in accordance with Belzona system Leaflet SHM-7. After blasting with aluminium oxide grit Belzona 9811 alumina tiles were bonded to prepared substrate using Belzona 1111 and then grouted using Belzona 1813

BELZONA FACTS

Premature chutes failure resulted in frequent component replacements and downtime. To prevent such failures in the future and extend the service life of the chutes, the client was looking for a way to protect this sections. This system proved to be the ideal solution and provided the required abrasion resistance, and the customer was very pleased with the results.

INDUSTRY

Mining & Quarrying

LOCATION

Warsaw, Poland

APPLICATION DATE

June 2020

PRODUCTS

Belzona 1111 (Super Metal)
Belzona 9811 (Alumina Tiles)
Belzona 1811 (Ceramic Carbide)
Belzona 1813
Belzona 1321 (Ceramic S-Metal)

SUBSTRATE

Stainless steel

PHOTOS

1. Chutes in the Biomass Plant
2. Application of Belzona 9811
3. Application of Belzona 1813 grouting
Belzona 9811
4. Complete Application using Belzona 1811

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