

# Belzona Protects Screw Conveyor Against Abrasive Attack

ID: 8433

Industry: Power  
Application: SHM-Solids Handling Machinery

Customer Location: Biomass Plant, Glasgow, UK  
Application Date: November 2019

Substrate: Carbon steel  
Products: Belzona 1814,

## Problem

High abrasion was leading to unprotected screws only lasting 3-4 months in service. Previous Belzona applications on this type of screw was completed with Belzona 1812, which extended their life to over 2 years.



## Application Situation

Screw conveyor used to skim sludge from the base of a silo at a biomass plant.

## Application Method

The application was completed in accordance with system leaflet SHM-14. The screw conveyor was grit blasted to SA2 1/2 with a minimum surface profile of 3 mil (75 microns). The area to be coated was then cleaned and degreased using Belzona 9111. Belzona 1814 was applied by brush to the entire area of the conveyor to provide long-term protection against heavy abrasion.

## Belzona Facts

The client was keen to try Belzona 1814 on their latest screw conveyor as had previously had success with Belzona 1812 and wanted to see if this product could last the same amount of time in service.

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FS 695214  
ISO 14001:2015  
EMS 695213

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