

# BELZONA 1814 SCREW CONVEYOR PROTECTION

ID: 9652

Industry: *Water / Wastewater*  
Application: *SHM-Solids Handling Machinery*

Customer Location: *United Kingdom*  
Application Date: *November 2019*

Substrate: *Carbon steel*  
Products: *Belzona 1814*

## Problem

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



Initial condition



After Belzona 1814



After Belzona 1814

## Application Situation

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 Method

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 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

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ISO 9001:2015  
FS 695214  
ISO 14001:2015  
EMS 695213

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