

BELZONA 1814 SCREW CONVEYOR PROTECTION

ID: 9652



PROBLEM

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

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

INDUSTRY

Water / Wastewater

LOCATION

United Kingdom

APPLICATION DATE

November 2019

PRODUCTS

Belzona 1814

SUBSTRATE

Carbon steel

PHOTOS

1. Initial condition
2. After Belzona 1814
3. After Belzona 1814

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