

# BELZONA PROTECTS SUGAR BEET MIXER SHAFT

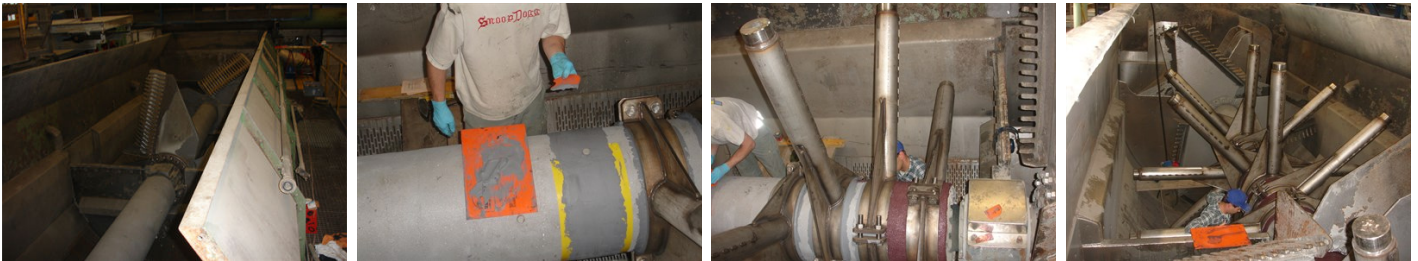
ID: 1623

**Industry:** Buildings & Structures  
**Application:** CEP-Centrifugal Pumps  
**Substrate:** Steel  
**Products:** \* Belzona® 1811 (Ceramic Carbide) ,  
\* Belzona® 1121 (Super XL-Metal) ,

**Customer Location:** Sugar beet factory, Switzerland  
**Application Date:** 2010

## Problem

Loose particles of soil and small pieces of rock, released during the processing of the sugar beet causes abrasion on the shaft.



## Photograph Descriptions

- \* Shaft after removal of half shells and agitating arms ,
- \* Application of Belzona® 1121 ,
- \* Application of Belzona® 1811 ,
- \* Completed shaft with agitating arms screwed back in place ,

## Application Situation

Mixing shaft with 46 half shells on which agitating arms were located

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflets GSS-9 and SHM-14. Belzona® 1121 was used to create irregular shims under the half shells to ensure perfect fit onto the shaft. The exposed areas of shaft were protected with Belzona® 1811 against future abrasion damage.

## Belzona Facts

The high quality of the application not only impressed the client, more importantly it also sparked the interest of a further sugar refinery with similar problems.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

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

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