

# BELZONA® 1811 PROTECTS BEET FLUME WELD JOINTS

ID: 223

Industry: *Sugar*  
Application: *SHM-Solids Handling Machinery*  
Substrate: *Stainless steel plate*  
Products: *\* Belzona® 1811 (Ceramic Carbide),*

Customer Location: *Sugar factory in the United Kingdom*  
Application Date: *1999*

## Problem

*Extensive abrasion and eventual failure of the weld seams connecting the steel plates that make up the flume.*



## Photograph Descriptions

- \* General view of the application site ,
- \* Equipment prior to surface preparation ,
- \* Application completed with the Belzona® 1811 ,

## Application Situation

The beet flume located between the beet pumps and the stone catcher.

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet SHM-13.

## Belzona Facts

Abrasion of the weld seams - if allowed to continue - would have led to impaired operating efficiency. Repair or replacement during the manufacturing campaign would have required significant downtime and resulted in a major loss of revenue. Belzona product lent itself to application within the confines of the flume channel. By applying Belzona to seams in the flumes most vulnerable areas during annual outage, only sacrificial wear of the product takes place during the campaign, thereby leaving the weld seams intact.

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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manufactured under an ISO  
9000 Registered Quality  
Management System.

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