

# BELZONA PROTECTS SUGAR MILL DIFFUSER FROM ABRASION DAMAGE

ID: 7473

**Industry:** Sugar  
**Application:** TCC-Tanks and Chemical Containment Areas  
**Substrate:** Carbon steel and hardened stainless steel  
**Products:** \* Belzona 1381 ,

**Customer Location:** Sugar Mill, Arcis Sur Aube, France  
**Application Date:** November 2016

## Problem

Sugar diffusers are notoriously difficult to protect because they offer limited access. However, they are highly susceptible to abrasion, accelerated by the high temperature of the water (up to 90°C (194°F)) and an added chemical. Therefore, protection is often necessary.



## Photograph Descriptions

- \* Image 1 - The plural airless spray purchased by the Distributor to complete the application ,
- \* Image 2 - The sugar diffuser ,
- \* Image 3 - QR code for application video ,

## Application Situation

A sugar mill had been trying for years to find a suitable coating for long-term protection of its 6x130m diffuser.

## Application Method

The application procedure completed using a modified version of the system leaflet, TCC-5. The application saw 120-150 litres of Belzona 1381 applied to the diffuser at the ideal thickness of 1000 microns. A plural airless spray was used cover the region of over 100m<sup>2</sup>, split into 10m<sup>2</sup> patches. The application took 5 hours to spray apply but 10 days in total for rotating the diffuser to allow access and for surface preparation.

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  
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## Belzona Facts

The client was looking for a durable protection of the diffuser. Previously, they had tried different organic coatings and welded stainless steel plates but none had provided satisfactory results. Whereas, after using Belzona 1381 for a year, the diffuser is still in perfect condition with the Belzona coating working flawlessly.

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