

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 100m², split into 10m² 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

Belzona products are
manufactured under an ISO
9000 Registered Quality
Management System.

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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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