

BELZONA PROTECTS SUGAR MILL DIFFUSER FROM ABRASION DAMAGE

CUSTOMER

Sugar Mill, Arcis Sur Aube, France

APPLICATION DATE

November 2016

APPLICATION SITUATION

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

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.

PRODUCTS

Belzona 1381

SUBSTRATE

Carbon steel and hardened stainless steel

APPLICATION METHOD

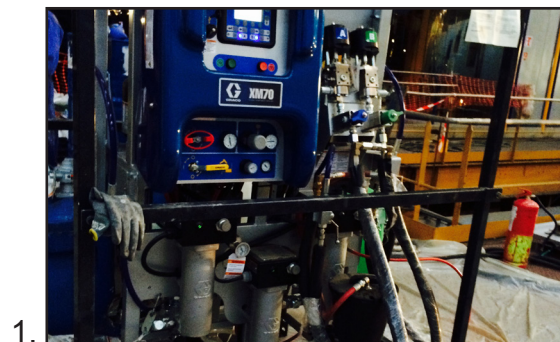
The application procedure completed using a modified version of the system leaflet, TCC-5. The application saw 120-150 litres of Belzona 1381 applied to the diffuser at the ideal thickness of 1000 microns. A plural airless spray was used cover the region of over 100m², split into 10m² patches. The application took 5 hours to spray apply but 10 days in total for rotating the diffuser to allow access and for surface preparation.

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.

PICTURES

1. The plural airless spray purchased by the Distributor to complete the application
2. The sugar diffuser
3. QR code for application video



1.



2.



3.



4.

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



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