

# Belzona Repairs two Hydrocyclones within a Sugar Refinery using Alumina Tiles.

ID: 9051

Industry: Sugar  
 Application: VPF-Valves, Pipes and Fittings  
 Substrate: Cast Iron  
 Products: Belzona 1391 (Ceramic HT), Belzona 1814, Belzona 9811

Customer Location: Seine-et-Marne  
 Application Date: February 2023

## Problem

Two hydrocyclones were subjected to strong abrasion combined with a chemical attack (Milk of Lime;  $[Ca(OH)_2]$ ). After 6-years of operation, a refurbishment was necessary.



Current system after 6-years of service.

Current system after 6-years of service.

During the repair procedure.

After the refurbishing works.

## Application Situation

Two hydrocyclones within a Sugar Refinery previously used Belzona solutions applied in 2017. The client wanted to re-apply the same system given the 6-year lifespan – in service – of the current system.

## Application Method

The substrate was first prepared, followed by bonding the Belzona 9811 alumina tiles using Belzona 1391 (remaining stock). Once the tiles were glued in place, the interstices were grouted using Belzona 1814. The application was carried out in accordance with Belzona System Leaflet VPF-02.

## Belzona Facts

The customer trusted the distributor with the protection of their equipment and has been able to extend the lifespan compared to conventional protection solutions.

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

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