

BELZONA REPAIRS TWO HYDROCYCLONES WITHIN A SUGAR REFINERY USING ALUMINA TILES.

ID: 9051



PROBLEM

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

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.

INDUSTRY

Sugar

LOCATION

Seine-et-Marne

APPLICATION DATE

February 2023

PRODUCTS

Belzona 1391 (Ceramic HT)
Belzona 1814
Belzona 9811

SUBSTRATE

Cast Iron

PHOTOS

1. Current system after 6-years of service.
2. Current system after 6-years of service.
3. During the repair procedure.
4. After the refurbishing works.

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