

Belzona 9811 Alumina Tiles Extend Separator Lifespan Fourfold

ID: 9276

Industry: *Pulp & Paper*

Customer Location: *France*

Application: *SHM-Solids Handling Machinery*

Application Date:

Substrate: *Stainless-steel*

Products: *Belzona 1311 (Ceramic R-Metal), Belzona 1321 (Ceramic S-Metal), Belzona 1812 (Ceramic Carbide FP), Belzona 9811*

Problem

The paper industry relies on separators to filter their paper pulp, a process prone to heavy abrasion from solid particles conveyed (glass, metal, silica etc.). This equipment, as well as centrifugal pumps and pulpers, experience abrasive wear.



A wider view of the separator



Mid-application



The completed application



The completed application

Application Situation

This opportunity involves an existing customer whose centrifugal pumps and pulpers are experiencing abrasive wear. We provided the customer with technical datasheets solely for Belzona 9811 to showcase its effectiveness.

Application Method

In response, we incorporated the use of Belzona 9811 Alumina Tiles, significantly extending the protection lifespan by four times compared to Belzona 1812 and Belzona 1321. Despite the enhanced durability, the service cost remains similar to the previous solutions. To implement this improvement, we used Belzona 1311 (8KG), Belzona 1321 (1.5KG), Belzona 9811 (1m²) & Belzona 1812 (8KG). The customer had contemplated replacing the separator technology due to the inadequacy of Belzona 1812 and Belzona 1321 in terms of durability and cost-effectiveness.

Belzona Facts

The customer considered replacing the separator technology but it's very expensive. For this recurring application, we safeguarded two pieces of equipment with this solution, costing 7,000€. Importantly, this solution can be applied across various industries utilising separators.

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ISO 9001:2015

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FS 695214

manufactured under an ISO

ISO 14001:2015

9000 Registered Quality

EMS 695213

Management System.

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