BELZONA COATS FILTER PRESS TRAYS

ID: 5211

Industry: Mining & Quarrying Customer Location: Metallurgical and Mining plant, Brazil

Application: GSS-Gaskets, Seals and Shims Application Date: October, 2008

Substrate: Polyethylene

Products: * Belzona 2131 (D & A Fluid Elastomer),

* Belzona 2911 (Elastomer Conditioner QD),

* Belzona 9411 (Release Agent),

Problem

The trays of the filter press (4 parts) showed abrasion wear, which caused inefficiency in the production process, increased the humidity of the final product and the use of compressed air, and wore out the other components of the filter. Fluid: water and ore at room temperature (≤ 40 °C).









Photograph Descriptions

- * Wear on edges of the rim ,
- * Side of the tray with a mold,
- * Edges of the tray after coating with Belzona 2131,
- * Tray repaired/coated with Belzona 2131,

Application Situation

Filter press trays

Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet GSS-1. Surfaces were prepared by dry abrasive blasting. After cleaning, the surfaces of worn areas were repaired with Belzona 2131. For the elastomer application molds were made and Belzona 9411 was applied to facilitate their removal after initial cure of the elastomer.

For more examples of Belzona Know - How In Action, please visit https://khia.belzona.com

ISO 9001:2015 Belzona products are
FS 695214 manufactured under an ISO
ISO 14001:2015 9000 Registered Quality
EMS 695213 Management System.

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Belzona Facts Belzona 2131 offered flexibility, abrasion and hardness resistance. The repair of the existing trays eliminated the accumulation of scraps on the area and reduced maintenance costs (part replacement).

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