

BELZONA COATS FILTER PRESS TRAYS

ID: 5211



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 ($\leq 40^{\circ}\text{C}$).

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.

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).

INDUSTRY

Mining & Quarrying

LOCATION

Metallurgical and Mining plant, Brazil

APPLICATION DATE

October, 2008

PRODUCTS

Belzona 2131 (D & A Fluid Elastomer)
Belzona 2911 (Elastomer Conditioner QD)
Belzona 9411 (Release Agent)

SUBSTRATE

Polyethylene

PHOTOS

1. Wear on edges of the rim
2. Side of the tray with a mold
3. Edges of the tray after coating with Belzona 2131
4. Tray repaired/coated with Belzona 2131

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

Belzona products are manufactured
under an ISO 9001 Registered
Quality Management System.

www.belzona.com

