Know-How*in Action*

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BELZONA COATS FILTER PRESS TRAYS

CUSTOMER
Metallurgical and Mining plant, Brazil

APPLICATION DATE
October, 2008

APPLICATION SITUATION
Filter press trays

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).

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

SUBSTRATE
Polyethylene

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).

PICTURES
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

1.

2.

3.

4.

ISO 9001:2008
Q 09335
ISO 14001:2004
EMS 509612

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