

BELZONA PROVIDES LONG TERM PROTECTION FOR ION EXCHANGE VESSEL

ID: 5552



PROBLEM

An existing glassflake lining suffered regular localized damage.

APPLICATION SITUATION

Resin in Pulp ion exchange process tanks at uranium mine.

APPLICATION METHOD

The customer decided in 2011 to replace the failing glassflake lining entirely with Belzona 1321. The application was carried out in accordance with Belzona Know-How System Leaflet TCC-3. Following surface preparation to the required standards, all internal surfaces were lined with three coats of Belzona 1321 for additional erosion protection. Following lining, the application was thoroughly inspected prior to return to service.

BELZONA FACTS

Following repeated failure and disbondment of the original glassflake lining, the customer sought an alternative lining and selected Belzona 1321 based on its superior erosion resistance and performance in immersion.

INDUSTRY

Mining & Quarrying

LOCATION

Uranium Mine, Malawi

APPLICATION DATE

April 2011

PRODUCTS

Belzona 1321 (Ceramic S-Metal)

SUBSTRATE

Mild Steel

PHOTOS

1. External view of Resin in Pulp tank.
2. Completed application of Belzona 1321 in 2011.
3. Inspection in 2013. Lining has stained from the process but is in perfect condition.
4. Close view of the base of the tank where the most wear occurs. Lining in excellent condition.

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

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