

TANK BASE SEALING ON HOT AND COLD SUMP VESSELS

ID: 10278



PROBLEM

Worn and corroded bases on two storage tank vessels (Hot and Cold sumps) demanded attention to prevent structural failure or leaks. The Distributor was contacted by the Smelter Mine to inspect the vessels and provide a suitable and cost effective solution. The application approach using this two product system provides exceptional preventative and structural benefits.

APPLICATION SITUATION

Belzona 4111 alongside 3111 is a highly effective, cost saving method for tank base sealing and repairs. The preparation, cleaning and application was completed within 5 days, working within the Belzona 4111 and 3111 IFU specifications. We have assisted the plant with similar Belzona application work before, and they were happy to proceed with the Belzona solution.

APPLICATION METHOD

Belzona 4111 (Magma-Quartz) was used to rebuild the concrete structure. With Belzona 3111 (Flexible Membrane) breathable, microporous system applied to seal between the steel tank and concrete.

BELZONA FACTS

Using the two product system provides exceptional preventative and structural benefits. Saving the customer time and money.

INDUSTRY

Mining & Quarrying

LOCATION

South Africa

APPLICATION DATE

May 2026

PRODUCTS

Belzona 3111 (Flexible Membrane)
Belzona 4111 (Magma-Quartz)

SUBSTRATE

Cast Iron

PHOTOS

1. On inspection
2. Rebuilding the concrete with Belzona 4111 Magma-Quartz
3. After applying Belzona 3111 Flexible Membrane
4. After applying Belzona 3111 Flexible Membrane to vessel base

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.

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