

BELZONA PROTECTS ACID BUND AT CHEMICAL PLANT

ID: 6295



PROBLEM

The concrete floor of the bund had been damaged by leaks during tanker deliveries.

APPLICATION SITUATION

Tanker loading/unloading station for 98% Sulphuric Acid.

APPLICATION METHOD

Application was carried out in accordance with Belzona System Leaflet TCC-15. The floor of the bund was first washed to neutralise any remaining acid contamination before being abrasive blasted. Belzona 4111 used to rebuild damaged concrete before applying two coat system of Belzona 4311. Aggregate was applied to top surface whilst wet to create a non-slip surface.

BELZONA FACTS

Belzona 4000 series materials were chosen for their high chemical resistance, ability to bond to damaged concrete and fast curing properties that allowed for the application to be completed between deliveries, avoiding disruption to the operation of the plant.

INDUSTRY

Chemical & Petrochemical

LOCATION

Chemical plant, Kwinana, Western Australia

APPLICATION DATE

April 2016

PRODUCTS

Belzona 4111 (Magma Quartz)
Belzona 4311 (Magma CR1)

SUBSTRATE

Concrete

PHOTOS

1. Original condition of concrete before repair
2. Another view of the damage
3. Completed application
4. Another view of the completed application

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