

BELZONA RECLAIMS AND PROTECTS SULFURIC ACID BUND

ID: 1166



PROBLEM

Previous product used gave limited results. Extensive rebuilding of the concrete was needed to allow the containment area to drain to the center sump. This to be followed by an overall protective coating.

APPLICATION SITUATION

850 sq.ft. secondary containment area for 98% Sulfuric acid.

APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflet TCC-9 & 15. Concrete was rebuilt to create falls to central sump. All area then protected with Belzona 4311.

BELZONA FACTS

Replacement of the concrete containment area was not an option due to extensive downtime the company was not willing to allow. Belzona was nominated for its materials performance and prompt service from the technical Consultant. Lab tests showed Belzona 4311 OK after 2 weeks in acid whereas earlier used product did not survive 48 hours.

INDUSTRY

General Industry

LOCATION

Sulfuric Acid Refinery, Wyoming U.S.A.

APPLICATION DATE

September 2008

PRODUCTS

Belzona 4111 (Magma Quartz)
Belzona 4131 (Magma Screed)
Belzona 4311 (Magma CR-1)

SUBSTRATE

Concrete

PHOTOS

1. Overview of the acid containment area
2. View of the damaged concrete
3. View of area rebuilt and resurfaced
4. Completed job after coating with Belzona 4311

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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