

BELZONA® RECLAIMS AND PROTECTS SULFURIC ACID BUND

CUSTOMER

Sulfuric Acid Refinery - Wyoming U.S.A.

APPLICATION DATE

September 2008

APPLICATION SITUATION

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

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, to be followed by a protective coating.

PRODUCTS

Belzona® 4111 (Magma Quartz)

Belzona® 4131 (Magma Screed)

Belzona® 4311 (Magma CR-1)

SUBSTRATE

Concrete

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 was 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 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.

PICTURES

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



1.



2.



3.



4.

www.belzona.com