
BELZONA® 4181 SOLVES NEUTRALIZATION PROBLEM

CUSTOMER

Chemical Plant, North Alabama U.S.A.

APPLICATION DATE

May 2000

APPLICATION SITUATION

Secondary containment area for 98% Sulfuric acid

PROBLEM

Spill of 98% sulfuric acid was neutralized with caustic. The exotherm badly damaged the coating applied 2 years previous.

PRODUCTS

Belzona® 4311 (Magma CR1)

Belzona® 4181 (AR Screened)

SUBSTRATE

Concrete

APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflets TCC-9 and -15. Damage concrete removed and 3 inch of new concrete poured to level base. Belzona® 4181 used on floor and Belzona® 4311 on walls.

BELZONA FACTS

The plant had used Belzona® 4311 successfully in several areas of the plant. Due to the high temperature qualities of Belzona® 4181 it was selected to coat the containment floor in case caustic was again used to neutralize spills.

PHOTOGRAPHS

1. Overview of the sulfuric acid containment area
2. Deteriorated coating after the caustic was added to the acid spill
3. New concrete poured and pedestals coated with Belzona® 4311
4. Finished project with Belzona® 4181 and perfect after 8 years



1.



2.



3.



4.