

BELZONA 4181 SOLVES NEUTRALIZATION PROBLEM

ID: 1161



PROBLEM

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

APPLICATION SITUATION

Secondary containment area for 98% Sulfuric acid

APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflets TCC-9 & -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.

INDUSTRY

Chemical & Petrochemical

LOCATION

Chemical Plant, North Alabama U.S.A.

APPLICATION DATE

May 2000

PRODUCTS

Belzona 4311 (Magma CR1) Belzona 4181 (AR Screed)

SUBSTRATE

Concrete

PHOTOS

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

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