

BELZONA® 4181 SOLVES NEUTRALIZATION PROBLEM

ID: 1161

Industry: Chemical & Petrochemical

Customer Location: Chemical Plant, North Alabama U.S.A.

Application: TCC-Tanks and Chemical Containment Areas

Application Date: May 2000

Substrate: Concrete

Products: Belzona® 4311 (Magma CR1)<div>Belzona® 4181 (AR Screed)</div>

Problem

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



Photograph Descriptions

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

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.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

Belzona products are
manufactured under an ISO
9000 Registered Quality
Management System.

www.belzona.com


BELZONA®
Repair • Protect • Improve

Copyright © Belzona International Limited 2025