

BELZONA REPAIRS FATTY ACIDS CONTAINMENT AREA

ID: 6322

Industry: General Industry

Customer Location: Specialty Chemicals Manufacturer, NC, USA

Application: TCC-Tanks and Chemical Containment Areas

Application Date: April 2015

Substrate: Concrete

Products: * Belzona 4154 (Bulkfill Resin) ,
* Belzona 5811 (Immersion Grade) ,
* Belzona 4181 (AHR Magma-Quartz) ,

Problem

Concrete surfaces were severely corroded and eroded from leaking equipment.



Photograph Descriptions

- * 1. Severely corroded and eroded concrete resulting from leaking equipment. ,
- * 2. First part of the repair in contrast to the original condition. Belzona 4154 mixed with sand plus 2 coats of Belzona 5811. Draining rebuilt to eliminate ponding. ,
- * 3. Closer look at the repair. ,

Application Situation

Secondary containment area where fatty acids were stored

Application Method

Old surfaces were pressure washed and any loose material was removed. The eroded concrete surfaces were resurfaced using Belzona 4154 mixed with sand. The surfaces were built up to original spec (up to 1.5 inches in some areas) and new gradients were created to ensure correct drainage. Belzona 4181 was used to repair the concrete directly under the steam lines. Two coats of Belzona 5811 were applied on the rebuilt surfaces. The application area was approximately 800 square feet.

Belzona Facts

The only other option was to have new concrete structures made. The repair took a total of 5 days. Belzona was chosen due to previous KHIA's showing containment repairs and short repair time.

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

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