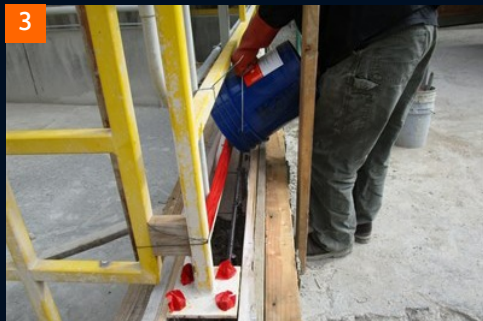


BELZONA REBUILDS THE WALLS OF A SECONDARY CONTAINMENT AREA

ID: 6115



PROBLEM

Severe cracks and damage in the walls of the ammonia secondary containment due to design issues.

APPLICATION SITUATION

Concrete walls of an ammonia secondary containment area.

APPLICATION METHOD

The damage at the SE corner required cutting out a section of the walls in one area and a simple removal of a small section at the SW corner. A grinder was used to remove oxidation from rebar. Belzona 4911 was applied to the steel rebar and concrete. Form boards were attached to the concrete to create a frame before pouring Belzona 4154. Once cured, the form boards were removed. A grinder was used to remove the gloss off of Belzona 4154, then the surface was wetted with Belzona 4911 to prepare it for the application of Belzona 4111 as a finishing layer.

BELZONA FACTS

Originally the plan called for rebuilding with concrete. When the engineers saw the bond strength of the Belzona 4154 and 4111 they decided Belzona would work much better.

INDUSTRY

Buildings & Structures

LOCATION

Cement Plant, Oregon, USA

APPLICATION DATE

September 2015

PRODUCTS

Belzona 4111 (Magma-Quartz)
Belzona 4154 (Bulkfill Resin)
Belzona 4911 (Magma TX Conditioner)

SUBSTRATE

Concrete and steel rebar

PHOTOS

1. Showing damage to the walls
2. Forming boards used for the application of Belzona 4154
3. Pouring of Belzona 4154
4. Completed application showing Belzona 4111 as a top layer

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

Belzona products are manufactured under an ISO 9001 Registered Quality Management System.

www.belzona.com

