

Secondary Containment Repair & Coating

ID: 10134

Industry: Chemical & Petrochemical

Customer Location: Decatur, AL

Application: TCC-Tanks and Chemical Containment Areas

Application Date: June 2022

Substrate: Concrete

Products: Belzona 4111 (Magma-Quartz), Belzona 4311 (Magma CR1), Belzona 4911 (Magma TX Conditioner)

Problem

The client was facing deteriorating concrete due to chemical spillage when replacing the chemical storage container.



You can see the damaged concrete areas in this picture from the chemical spillage.

We had to make a few deeper concrete repairs using Belzona 4111 before moving forward.

Once the other areas had been repaired we skimmed most of the containment area to bring back to level using Belzona 4111

Here you can see the completed application using Belzona 4311 due to high concentration of chemical.

Application Situation

Other alternatives that were considered was removing the affected area and pouring new concrete and curbing. We were able to show the client other applications that had been completed for several years and how fast we could get them back in service. We completed this project in just three days and they were able to start the process back up in a total of five days. We saved our client over close to one million dollars in down time and project cost.

Application Method

We first began by neutralizing the affected area. Then we began to remove loose and damaged concrete with needle guns and hand grinders. Once the damaged areas were prepped we began to apply Belzona 4911 Conditioner followed by Belzona 4111 to fill pockets of damaged areas followed by skimming the containment area to level the floor and for proper drain. Next we applied two coats of Belzona 4311 to the containment and curbing and providing a little extra protection by carrying the coating over the curbing and ramp.

Belzona Facts

We were able to save our client almost one million dollars in downtime and alternative project cost of removing and replacing with

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

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9000 Registered Quality
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new concrete. They chose Belzona based on our past projects and the success stories that follow them and the short amount of downtime.

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