

Belzona Sacks an NFL Sized Problem

ID: 7913

Industry: Buildings & Structures
Application: RPA-Roof Problem Areas
Substrate: Concrete
Products: * Belzona 2211 (MP Hi-Build Elastomer) ,
* Belzona 2911 (Elastomer QD Conditioner) ,

Customer Location: Sports Arena, Northeast USA
Application Date: 2018

Problem

Poorly lined floor joints allowed water to seep through to lower seating levels of the arena. This water leakage resulted in a drip/slip hazard, concrete staining, corrosion, and damage to the beam and concrete structure below the luxury box suites. A walk-through revealed 32 problem areas measuring 11 feet in length each, causing leakages throughout the stadium. The lining replaced by Belzona was a failed flexible caulk.



Photograph Descriptions

- * Failed joint and drain. ,
- * Surface preparation in progress. ,
- * Application of Belzona elastomeric system. ,
- * Complete application. ,

Application Situation

Floor joints in the seating areas of the arena. The Customer requested a sample application to potentially repair 32 problem areas measuring 11' in length each.

Application Method

95% of the old caulk material was removed using hand tools and the remaining 5% with an electric dremel tool with sand/stone bit to clean the joint's sides. The previous bond breaker was fully intact and reusable after minor prep. The application proceeded with the cleaning and degreasing of the joint with acetone followed by a pass of vacuum. The area was taped off using Gorilla Tape to

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

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protect the wall and floor sides while Belzona 2911 was applied to the entire joint area and drain box area. After proper cure was established within the re-coat window, Belzona 2211 was mixed and applied by a stiff brush, spatula and custom cut applicator tools. The application was carried out in accordance with a modified version of Belzona Know-How System Leaflet - RPA-1.

Belzona Facts

Upon curing of the initial application the customer was pleased by the visual aesthetics of the job. Following the application the customer performed two water tests and experienced a weekend of heavy rain. The application held up, allowing no water to pass through the Belzona-repaired area. The application of the remaining 31 problem areas was requested following the success of the sample application.

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