

BELZONA COATS A SHOWER FLOOR AND PREVENTS MAJOR WATER ISSUES

ID: 4663

Industry: Buildings & Structures

Application: FPA-Floor Problem Areas

Substrate: Ceramic tile & Concrete

Products: * Belzona 4111 (Magma-Quartz) ,
* Belzona 5811 (Immersion Grade) ,
* Belzona 9221 (Surefoot Aggregate) ,

Customer Location: Army Base, Oklahoma

Application Date: July, 2013

Problem

Remove existing coating. Seal Floor from leaking water. Repair damaged tiles, and missing tiles. Provide a non-slip surface. Make cosmetically appealing. Ensure easy cleaning. Provide lasting wear-resistance and protection from further damage. The grout between the tiles has been removed over time due to heavy cleaning with bristle brushes, therefore allowing water to bleed through the walls and onto the public walkways, causing a slip hazard and water damage to the dividing walls. After several attempts of regrouting, the customer tried installing a truck liner product to seal the floor. Shortly thereafter, the coating peeled off and created a cosmetic mess and made it difficult to clean. When trying to remove the failed truck liner, several tiles broke and cracked, causing more water issues.



Photograph Descriptions

- * Existing Conditions ,
- * Grouting with Belzona 4111 ,
- * First coat of Belzona 5811 incapsulated with Belzona 9221 ,
- * Application completed with a second coat of Belzona 5811 ,

Application Situation

Communal shower floors at an Army Base

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.

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Repair • Protect • Improve

Application Method

The existing coating was removed and the substrate profiled for adhesion. Termination points were then taped off. Belzona 4111 was applied to fill in grout lines, cracked tiles, and missing tiles. Then Belzona 5811 was applied and encapsulated with Belzona 9221. The boundary tape was removed, as well as the excess aggregate. A second coat of Belzona 5811 was applied. After cure, drain stoppers were applied and it was pressure tested with water.

Belzona Facts

The Belzona solution reduced downtime and prevented further damage. Alternatives were short lived and the cost of repairing was high. The Belzona solution has been in service for one year and looks like the application was completed now.

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