

Belzona Installs a New Expansion Joint for a Smooth Ride at an Operating Room

ID: 7640

Industry: Buildings & Structures
Application: FPA-Floor Problem Areas
Substrate: Concrete substitute with Terrazzo flooring
Products: * Belzona 2131 (D&A Fluid Elastomer) ,
* Belzona 2211 (MP Hi-Build Elastomer) ,
* Belzona 2911 (Elastomer QD Conditioner) ,
* Belzona 4131 (Magma-Screed) ,
* Belzona 4911 (Magma TX Conditioner) ,

Customer Location: Florida, USA
Application Date: December, 2017

Problem

Existing solution of a thin stainless steel cover has failed in the OR (operating room), client was seeking a new fix to an old and ongoing problem for this older building.



Photograph Descriptions

- * 1. The stainless steel cover removed exposing the failing expansion joint material. ,
- * 2. Scarifying one side to even the joint which was off in some areas by a 1/4 of an inch thick. ,
- * 3. Finished application. ,
- * 4. Custom 1/8" thick steel bridge fabricated specific to this application to allow the OR unit to re-open during the curing process. ,

Application Situation

Client had a failing expansion joint covered by a thin stainless steel plate. Within a year the new stainless steel cover had bowed causing medical carts to tip over, or staff to trip and possibly fall.

Application Method

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

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manufactured under an ISO
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The application was carried out in accordance with a modified version Belzona System Leaflet FPA-6 for replacing expansion joint sealant.

Belzona Facts

Alternative was to have another stainless steel cover reinstalled, only to have it fail after a year. The permanent solution was a "Smooth Ride" expansion joint with Belzona products which will save the hospital unnecessary downtime by having a smooth surface to ensure no more spills, trips and falls. The custom fabricated a steel bridge to allow the OR unit to re-open the following day once the special containment was removed and the area sterilized. The cold floor of this OR unit made the curing process a lot slower and having the custom fabricated bridge was the only way this application was able to be performed.

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