

# BELZONA EXPANSION JOINT THREE YEARS ON

ID: 1405

**Industry:** Buildings & Structures  
**Application:** FPA-Floor Problem Areas  
**Substrate:** Concrete  
**Products:** \* Belzona® 4111 (Magma Quartz),  
\* Belzona® 2211 (MP Hi-Build Elastomer),  
\* Belzona® 4411 (Granogrip),

**Customer Location:** Hospital, Charlotte, North Carolina, USA  
**Application Date:** March, 2006

## Problem

The expansion joint had failed and was causing a trip hazard, as well as making hospital guests uncomfortable when rolled in their beds or wheelchairs across the failed joint. Metal plate put over top was a trip and bump hazard.



## Photograph Descriptions

- \* Joint taken out and fresh concrete exposed ,
- \* Belzona® 4111 troweled into place ,
- \* Ramp used to cover joint while product is curing ,
- \* Finished joint 3 years on ,

## Application Situation

Expansion joint in hallway.

## Application Method

The Belzona application was carried out in accordance with Belzona Know-How System Leaflets FPA-5 & -6. The old metal joint was torn out and replaced with Belzona® 4111. A jig was used to provide the repair with the same height as the tile floor. After removing the joint former, Belzona® 2211 was used to seal the joint. Belzona® 4411 applied for aesthetics.

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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## Belzona Facts

Belzona provided a quick, cost effective solution for the failed joint. This is one of several joints done at this facility where the longevity of the Belzona applications is appreciated.

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