

# BELZONA REPAIR TO VERTICAL EXPANSION JOINT COMES OF AGE

ID: 1076

Industry: Buildings & Structures

Application: WPA-Wall Problem Areas

Substrate: Concrete

Products: \* Belzona® 4111 (Magma Quartz) ,  
\* Belzona® 3111 (Flexible Membrane) ,

Customer Location: University Hospital

Application Date: 1987

## Problem

The expansion joint material used to seal the long vertical joint had become a perennial problem. The caulking material used could not withstand the constant movement.



## Photograph Descriptions

- \* General view of 140-ft wall and problem joint. ,
- \* The spalled edges of the concrete were rebuilt with Belzona® 4111 before applying the Belzona® 3111 (Flexible Membrane System). ,
- \* Complete application - The final coat was tinted for a closer match to the concrete. ,
- \* Picture taken in 2008 showing present condition of the 21-year-old application. ,

## Application Situation

Vertical expansion joint between two cast concrete walls.

## 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

Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
Management System.

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Application was carried out using a modified version of Belzona Know-How System Leaflet WPA-1 and WPA-9.

**Belzona Facts**

This application has been in service since 1987 (21 YEARS) without the need for any additional maintenance.

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