

# Keeping the rain out with Belzona Expansion Joints

ID: 512

**Industry:** Buildings & Structures  
**Application:** FPA-Floor Problem Areas  
**Substrate:** Asphalt and brick  
**Products:** \* Belzona® 4521 (Magma-Flex Fluid) ,  
\* Belzona® 2211 (MP Hi-Build) ,  
\* Belzona® 4111 (Magma-Quartz) ,

**Customer Location:** Local Authority, St.Helens, UK  
**Application Date:** June 2004

## Problem

Leaking expansion joints



## Photograph Descriptions

- \* Old joint being scraped out ,
- \* Joints masked off ready for re-filling ,
- \* The completed repair ,
- \* An external 7-meter vertical expansion joint ,

## Application Situation

Vertical and horizontal expansion joints in asphalt floor and brick walls of shelterd housing complex.

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflets FPA-5 & FPA-6.

## Belzona Facts

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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The old expansion joints were not flexible enough and were allowing rainwater to seep through into the neighboring dwellings causing damp problems. The joints were removed and filled using Belzona® 4521 for the horizontal joints and Belzona® 2211 for the vertical. A layer of Belzona® 2211 was also applied over the horizontal joints to improve the aesthetics of the repair.

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