

# BELZONA® PROVIDES LONG-TERM PERFORMANCE IN BRIDGE JOINTS

ID: 4672

Industry: *Buildings & Structures*  
 Application: *FPA-Floor Problem Areas*  
 Substrate: *Concrete and steel*  
 Products: *\* Belzona® 4521 (Magma-Flex Fluid) ,*

Customer Location: *Department of Transportation, USA*  
 Application Date: *2005*

## Problem

*Joints needed to be sealed between existing armor plates on the bridge*



## Photograph Descriptions

- \* Application of Belzona® 4521 between the armor plates ,
- \* The intentional pinhole in the bay beneath Belzona application remains unchanged after 5-year service ,
- \* The bays on the east end of the bridge beneath Belzona application shows no signs of leakage after 5-year service ,

## Application Situation

Joints in the east embankment of the bridge

## Application Method

Application was carried out in accordance with the Belzona Know-How System Leaflet FPA-6 using approximately 200 cu in of Belzona® 4521.

## Belzona Facts

Belzona solution has a long successful history providing long term performance. After 5 years in service, Belzona® 4521 application

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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was reviewed and showed no signs of leakage after several hours of hard rain. An intentional pinhole was added during installation to test failure resistance. Pinhole also remained unchanged after 5 years. A conventional silicone joint material installed on the other part of the bridge began leaking within 12 months of being placed.

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