

BELZONA EXPANSION JOINT SYSTEM FOR BUSY BRIDGE

ID: 434

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

Customer Location: Florida Department of Transportation
Application Date: June 2003

Problem

Inferior products together with heavy traffic caused expansion joints to fail. This allowed salts from the atmosphere and water to ingress to steel areas underneath the roadway which began to suffer from corrosion.



Photograph Descriptions

- * Joint prepared for nosing and seal ,
- * Completed Belzona system ,
- * Close look at seal ,
- * One year of service - without blemish ,

Application Situation

Bridge spanning the Intracoastal Waterway - Broward County, Florida

Application Method

Application was carried out in accordance with Belzona Know-How System Leaflets FPA-5 and FPA-6.

Belzona Facts

Belzona® 4521 shares the same chemical properties as other Belzona® 4000 Series Magma Products. This means that no additional conditioners or interim preparation steps are required. This "wet to wet" application forges an intimate, durable bond, and saves significant application time.

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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