

# BELZONA EXPANSION JOINT SYSTEM FOR BUSY BRIDGE

ID: 434



## 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.

## 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.

## INDUSTRY

Buildings & Structures

## LOCATION

Florida Department of Transportation

## APPLICATION DATE

June 2003

## PRODUCTS

Belzona 4111 (Magma-Quartz)

Belzona 4521 (Magma-Flex Fluid)

Belzona 2211 (MP Hi-Build Elastomer)

## SUBSTRATE

Concrete and Steel

## PHOTOS

1. Joint prepared for nosing and seal
2. Completed Belzona system
3. Close look at seal
4. One year of service - without blemish

For more examples of Belzona Know-How in Action, please visit [khia.belzona.com](http://khia.belzona.com)

Belzona products are manufactured under an ISO 9001 Registered Quality Management System.

[www.belzona.com](http://www.belzona.com)

