

BELZONA PROVIDES LONG-TERM PERFORMANCE IN BRIDGE JOINTS

ID: 4672



PROBLEM

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

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 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.

INDUSTRY

Buildings & Structures

LOCATION

Department of Transportation, USA

APPLICATION DATE

2005

PRODUCTS

Belzona 4521 (Magma-Flex Fluid)

SUBSTRATE

Concrete and steel

PHOTOS

1. Application of Belzona 4521 between the armor plates
2. The intentional pinhole in the bay beneath Belzona application remains unchanged after 5-year service
3. The bays on the east end of the bridge beneath Belzona application shows no signs of leakage after 5-year service

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

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

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