

Belzona protects steel joints on large suspension bridge

ID: 7745

Industry: Buildings & Structures
Application: GSS-Gaskets, Seals and Shims
Substrate: Steel
Products: * Belzona 8411 ,
* Belzona 3412 ,

Customer Location: Greece
Application Date: July 2018

Problem

Corrosion in the bolt areas of the steel joints caused by insufficient protection from the existing paint. Due to the movement in the joints, the customer required a flexible coating. They wanted a system that would allow them to later inspect the bolts.



Photograph Descriptions

* 1. Preparation being carried out
* 2. Preparation completed
* 3. First coat of Belzona 3412 applied
* 4. Completed application ,

Application Situation

Structural steel joints on a suspension bridge exposed to weathering and moisture, especially with the river flowing directly beneath.

Application Method

Application was carried out in accordance with an amended version of System Leaflet GSS-11.

Belzona Facts

The existing paint was insufficient to protect the joint areas as it didn't have the edge retention to get good coverage of the complex geometry in this area. Due to the movement in the substrate, traditional protection systems were not suitable as these may crack in service. An added benefit for the customer is the ability to inspect the bolts at a later date easily.

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ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

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