

BELZONA SEALS LEAKING FLANGE

ID: 2713

Industry: Chemical & Petrochemical
Application: VPF-Valves, Pipes and Fittings
Substrate: Steel
Products: * Belzona® 1391 (Ceramic HT) ,
* Belzona® 1111 (Super Metal) ,

Customer Location: Chemical plant, Germany
Application Date: May 2010

Problem

Flanged joint was leaking at the gasket and through the bolts. Customer required an in-situ repair to seal the leak as joint could not be dismantled to effect a conventional repair.



Photograph Descriptions

- * Leaking flange ,
- * Belzona® 1111 applied to bolts ,
- * First coat of Belzona® 1391 applied ,
- * Completed application ,

Application Situation

Large flange in hot brine process system

Application Method

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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Repair • Protect • Improve

Application was carried out using a modified version of Belzona Know-How System Leaflet VPF-11. The surface was prepared by grit blasting. The bolts were fully encapsulated using Belzona® 1111 to seal the leaks in these areas. Following this Belzona® 1391 incorporating Reinforcement tape was used to completely encapsulate the flange joint.

Belzona Facts

The Belzona products were chosen to withstand the high process temperatures (120°C) and have proven to be totally effective leading to several similar repairs at the facility.

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