

# 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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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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