

# BELZONA SOLVES LEAKING PROBLEM ON GAS PIPE

ID: 5466

Industry: Oil & Gas

Customer Location: Gas Distribution Company, Stuttgart,  
Germany

Application: GSS-Gaskets, Seals and Shims

Application Date: September 2014

Substrate: Steel

Products: \* Belzona 3411 (Encapsulating Membrane),

## Problem

Due to aged and leaky seals between the flange face, gas was leaking on five flanges of a natural gas pipe coming from a gasometer. Pressure is 0.5 bar.



## Photograph Descriptions

- \* Flange prepared for the application ,
- \* Bolted caps, sealed gap and embedded screw ,
- \* During application of the first coat of Belzona 3411 ,
- \* After application of the second coat of Belzona 3411 ,

## Application Situation

Flange on natural gas pipe (diameter of the flange 1,30m).

## Application Method

The substrate was manually prepared as described in the IFU and the application was carried out in accordance with Belzona Know-How System Leaflet GSS-11. The embedded screw helped for releasing the gas pressure until the application was cured. Belzona 8411 was not used because the customer does not require the protection to be reopened or to be inspected in the future.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015

Belzona products are

FS 695214

manufactured under an ISO

ISO 14001:2015

9000 Registered Quality

EMS 695213

Management System.

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## Belzona Facts

The replacement of the seal was not a favorable option as this would be very expensive, or even impossible. The customer was looking for a different solution and because he has already known Belzona, and was aware that Belzona can solve many problems, the customer asked the local Distributor for help. The customer is happy with the outcome. After the application, the customer used a gas detector to verify if Belzona 3411 completely sealed the flange with a positive result and has since sealed 15 more flanges. The original flange was inspected in February 2017 and found to still be in perfect condition.

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