

# FLANGE & FASTENINGS LEAKAGE

ID: 9381

Industry: Chemical & Petrochemical

Customer Location: Warrington UK

Application: GSS-Gaskets, Seals and Shims

Application Date: April 2024

Substrate: Carbon steel

Products: Belzona 1511 (Super HT-Metal), Belzona 5811 (Immersion Grade)

## Problem

High temperature steam leaks and loss of vacuum at the interface of the two mating flanges



Condition of vessel circumferential flange



Surface preparation by grit blasting



Bolt caps filled with Belzona 1511 and general filling of flange interface.



Finally full encapsulation of repairs using Belzona 5811

## Application Situation

This vessel was no longer operational and costing the company excessive amounts of extra turnover to move production to other parts of the plant

## Application Method

Hi-Pressure Grit blast of all fastenings and flange face creating a good profile for adhesion to the substrate.

## Belzona Facts

This facility uses Belzona products on machinery and equipment throughout the plant, the plant is old and invariably no spares available or very long lead times. Belzona is used on varying circumstances saving the plant downtime.

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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