

Flanges leak sealed in a petrochemical plant.

ID: 9423

Industry: *Chemical & Petrochemical* Customer Location: *Hamilton, ON, Canada*
 Application: *VPF-Valves, Pipes and Fittings* Application Date: *March 2024*
 Substrate: *Carbon steel*
 Products: *Belzona 1212, Belzona 1982 (SuperWrap II), Belzona SuperWrap II, Belzona 9111 (Cleaner Degreaser)*

Problem

Product was leaking from flanges and needed sealing for environmental compliance.



One of the flanges before surface preparation.



Flange after surface preparation.



Flange after sealing with Belzona 1212.



Repair completed with Superwrap II to protect against moisture ingress.

Application Situation

The flanges on a tank of a petrochemical storage tank was leaking above the allowable environmental limit. Quick in-situ repair required with not hot work is allowed around the perimeter,

Application Method

- Flanges were cleaned using Belzona 9111 and a power tool.
- Belzona 1212 was used to seal the leak.
- Belzona Superwrap II resin and accessories were used to give further protection.

Belzona Facts

Belzona repair solution was able to achieve seal the leaks under 6 minutes , allowing for a more robust superwrap application. The overall repair was carried out based on customer's expectation and no leak was experienced after an inspection was carried out 3 months later on the flanges.

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

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