

# BELZONA REPAIRS AND PROTECTS LEAKING FLANGE ON CHILLER

ID: 5408

**Industry:** Heating, Ventilation & Air Conditioning  
**Application:** HEX-Heat Exchangers  
**Substrate:** Steel  
**Products:** \* Belzona 2121 (D & A Hi-Coat Elastomer) ,  
\* Belzona 2911 (Elastomer QD Conditioner) ,  
\* Belzona 9341 (Reinforcing Tape) ,

**Customer Location:** Lexington, VA, USA  
**Application Date:** July 2014

## Problem

A leaking flange on a chiller resulted in the company trying several different products to stop the leak, but to no avail.



## Photograph Descriptions

- \* Surface preparation to roughen the substrate ,
- \* Conditioning the substrate ,
- \* Applying reinforcing cloth over Belzona 2121 ,
- \* Completed application ,

## Application Situation

Chiller had a leaking flange.

## Application Method

The surface was prepared with a grinder to roughen the substrate. Then, the application area was taped off. Belzona 2911 was applied to condition the substrate and allowed to dry. We then used Belzona 2121 in red and stippled in reinforcing cloth over the seam and bolts. We went over and applied a second coat of Belzona 2121 in black. We let it sit overnight and it stopped the leak.

## Belzona Facts

The company tried several times to stop the leak with several different products. The only other alternative was to remove the flange and piping and replace. This would have increased costs and caused several days of downtime.

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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