

# BELZONA REPAIRS CUI ON A TRANE CHILLER

ID: 5588

**Industry:** Heating, Ventilation & Air Conditioning

**Customer Location:** Governmental Office Building, Indiana, USA

**Application:** VPF-Valves, Pipes and Fittings

**Application Date:** April 2015

**Substrate:** Carbon steel cleaned to SSPC-SP 3

**Products:** \* Belzona 1212 ,  
\* Belzona 1321 (Ceramic S-Metal) ,

## Problem

0.2 inch (5 mm) deep corrosion under insulation threatened to perforate the shell of this chiller. Condensation was traveling through an ineffective seam and pooling in a trough between two sections of foam insulation. This section of the shell experienced almost continual immersion and the attendant corrosion rates.



## Photograph Descriptions

- \* The application area after the insulation has been removed. ,
- \* The corrosion was concentrated along a linear trough formed by the rubber insulation. ,
- \* The shell fared back out with Belzona 1212. ,
- \* The finished repair ready for insulation. ,

## Application Situation

A 50-year-old Trane chiller located on the fifth floor of an office building in downtown Indianapolis. Not only would a replacement unit be extremely costly but a crane in a dense metropolitan area would further complicate the task.

## Application Method

This application was performed using a modified version of Belzona Know-How System Leaflet VPF-1 & VPF-2.

## Belzona Facts

The Belzona repair was significantly faster and less expensive than replacement, did not require any down time, and most importantly actually prevents a reoccurrence of the same problem. This chiller is now better than new.

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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