

BELZONA REPAIRS CUI ON A TRANE CHILLER

ID: 5588



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.

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.

INDUSTRY

Heating, Ventilation & Air Conditioning

LOCATION

Governmental Office Building, Indiana, USA

APPLICATION DATE

April 2015

PRODUCTS

Belzona 1212

Belzona 1321 (Ceramic S-Metal)

SUBSTRATE

Carbon steel cleaned to SSPC-SP 3

PHOTOS

1. The application area after the insulation has been removed.
2. The corrosion was concentrated along a linear trough formed by the rubber insulation.
3. The shell fared back out with Belzona 1212.
4. The finished repair ready for insulation.

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

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