

# BELZONA FACTORY APPLIED TO CHILLER

ID: 1418

**Industry:** Heating, Ventilation & Air Conditioning  
**Application:** HEX-Heat Exchangers  
**Substrate:** Carbon Steel  
**Products:** \* Belzona® 1111 (Super Metal) ,  
\* Belzona® 1321 (Ceramic S-Metal) ,

**Customer Location:** Manufacturing Facility, Texas USA  
**Application Date:** 2009

## Problem

Chillers suffer constant corrosion due to water treatment chemicals. In order to protect their costly investment this customer chose to pro-actively prevent future damage by applying a protective coating to their new equipment.



## Photograph Descriptions

- \* Corking of the tube sheet ,
- \* Built-up tube sheet with one of coat of Belzona® 1321 applied ,
- \* Corks punched in and tube ends being honed ,
- \* Completed tube sheet ,

## Application Situation

A customer buying a new chiller requested a Belzona coating to protect their investment.

## Application Method

Application carried out in accordance with Belzona Know-How System Leaflets HEX-1 & -3. After corking tubes, Belzona® 1111 used to ensure the tubes are flush with the surface before applying the Belzona® 1321 system.

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

Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
Management System.

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## Belzona Facts

By applying the protective coating at the factory the customer is able to prevent much of the damage caused by day to day operation of the equipment. The coating, combined with annual inspections will extend the life of the tube sheets, waterboxes and end covers almost indefinitely.

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