

# REPAIRING COOLING TOWER SEAMS WITH BELZONA

ID: 5896

**Industry:** Buildings & Structures  
**Application:** HEX-Heat Exchangers  
**Substrate:** Stainless Steel.  
**Products:** \* Belzona 2911 (Elastomer QD Conditioner) ,  
\* Belzona 9341 (Reinforcement Tape) ,  
\* Belzona 2131 (D & A Fluid Elastomer) ,

**Customer Location:** Hospital, North Carolina, USA  
**Application Date:** August 2015

## Problem

Towers were leaking around seams and protrusions.



## Photograph Descriptions

- \* Blasting completed, prior to media removal ,
- \* Taping and conditioning all seams/protrusions ,
- \* First coat of Belzona 2131, embedding Belzona 9341 ,
- \* Completed application to towers ,

## Application Situation

Roof-mounted cooling towers (2 cells joined into 1 tower).

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflets HEX-6, HEX-13, TCC-12, FPA-6 and a modified version of FPA-7. The substrate was prepared via media blast with Black Beauty, cleaned, taped, and then conditioned with Belzona 2911. Once cured for ½ hour, a two-coat reinforced system of Belzona 2131 was utilized to create a polymer overlay over all assembly seams/joint. Bolt holes and other protrusions were top-dressed with a coating of Belzona 2131.

## Belzona Facts

Belzona provided a cost effective solution to the leaking tower, allowing for a return to service within 4 days of the beginning of application.

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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