

Belzona 5831 Keeping The Data Cool

ID: 9460

Industry: Heating, Ventilation & Air Conditioning

Customer Location: Washington

Application: HEX-Heat Exchangers

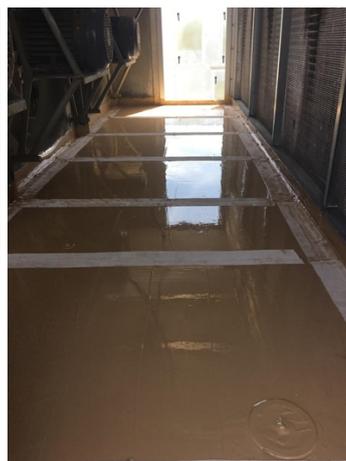
Application Date: February 2016

Substrate: Stainless-steel

Products: Belzona 1111 (Super Metal), Belzona 5831 (ST-Barrier)

Problem

Corrosion was developing in several cooling tower pans.



The cooling tower.

Original condition showing some corrosion.

First coat of Belzona 5831 applied with Belzona 9341 Reinforcement Sheet over the seams.

Second coat of Belzona 5831 applied, application complete.

Application Situation

The cooling tower pans at this data center were beginning to develop corrosion and had already began leaking in a few small areas.

Application Method

The application area was prepped using MBX Bristleblasters to achieve a 3-3.5 mil profile. Belzona 1111 was used to address the leaks, and two coats of Belzona 5831 were applied using Belzona 9341 Reinforcement Sheet over the seams for added strength.

Belzona Facts

Belzona 5831 was chosen for its ability to protect, but mostly for its ability to cure in wet areas, or even be applied underwater. This data center needed to be able to bring the unit back online at anytime during the application if another unit failed. By using Belzona 5831, should that situation occur, the team could evacuate from the unit and the unit could go online without harming the material and losing progress. It also allowed the unit to be turned on shortly after the application was completed without having to wait an extended amount of time for it to cure. These air handlers were operated with only water and no chemicals, so curing for chemical resistance was not a concern.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015

Belzona products are

FS 695214

manufactured under an ISO

ISO 14001:2015

9000 Registered Quality

EMS 695213

Management System.

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