

Sealing a Leaking Air Handler with Belzona

ID: 7777

Industry: Heating, Ventilation & Air Conditioning

Customer Location: Office Building, Kansas, USA

Application: GSS-Gaskets, Seals and Shims

Application Date: September 2018

Substrate: Metal

Products: * Belzona 1161 (Super UW-Metal)
Belzona 3412 (Encapsulating membrane)
Belzona 9341 (Reinforcement Tape),

Problem

Several air handlers exactly like this one were leaking and showing general signs of wear and tear. The configuration of these air handlers, however would not allow an effective interior lining to be applied due to the confined space and limited access.



Photograph Descriptions

- * Damaged area of one of the air handlers. ,
- * Application of Belzona 1161 embedded with Belzona 9341. ,
- * Area of application masked off and ready for application of product. ,
- * Application of Belzona 3412 finished. ,
- * ,

Application Situation

Leaking air handler needed repair inside the State Building. No room to line the inside of the air handler because of configuration so and exterior application was chosen.

Application Method

The metal was cleaned and prepped with hand tools, so that any holes could be addressed with Belzona 1161 repair metal and mesh, and then coated over with Belzona 3412. The entire flange and seam was coated to ensure that any out of site leaks or penetrations would be sealed. The applicaiton was carried out in accordance with a modified version of Belzona Know-How System Leaflet GSS-11. Rather than making an open flange seal we decided to simply use the system without the release agent and bond the entire area to the substrate. This was done because there was no need to re-access the repaired area after the application was complete.

Belzona Facts

This Belzona solution was chosen due to its quick application method and turn around time. This is a repair that needed to be done quickly so that the units could be put back in service.

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

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