BELZONA REPAIRS AND PROTECTS HEAT EXCHANGER FROM CORROSION

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

Customer Location: *Havelock, ON, Canada*
Application Date: *April 2014*

Problem
Pitting corrosion and bi-metallic corrosion caused leakage.

Photograph Descriptions

* Prior to application ,
* Prior to application ,
* Application in progress ,
* Completed application ,

Application Situation
Tube sheets and end covers of a heat exchanger.

Application Method
The application was carried out in accordance with Belzona Know-How System Leaflet HEX-1 for repairing eroded-corroded tube sheets and HEX-3 for applying erosion-corrosion resistant coatings. The surface was abrasive blasted to prepare the area for application. Belzona 1111 was applied to the surfaces of the tube sheets and end covers to fill any pitting and damage using an applicator. Belzona 1321 was applied to the surfaces using a brush to protect against corrosion.

Belzona Facts
Belzona 1111 can be applied without the need for specialist tools. It will bond to almost any surface and can be machined using conventional tools. This multi-purpose repair composite will not corrode and is resistant to a wide range of chemicals. Belzona 1321 can be applied without the need for specialist tools and will bond tenaciously to a wide range of substrates. This multipurpose

polymeric coating will not corrode and has outstanding resistance to a wide range of chemicals.