

Challenge

Background

- Header leakage on a isophase cooling coil forced an unscheduled outage.
- The customer required a fast turnaround to repair the cooler. Time constraints would not permit replacement of isophase coils.
- The primary cause of the header leakage was rough, corroded sealing surfaces.

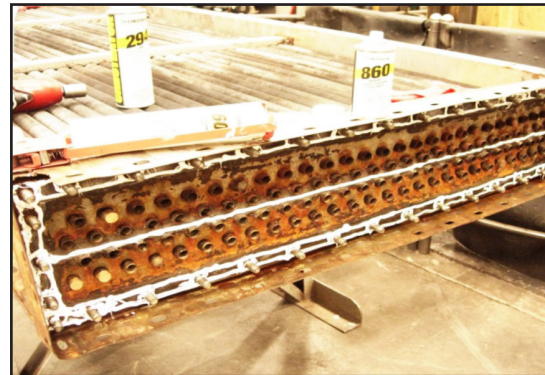


Corroded isophase cooler with rough and uneven surface.

Solution

Product

- Chesterton 860™ Moldable Polymer Gasketing (MPG) to provide a seal on the rough surfaces.
- ARC 10 industrial coating to rebuild the damaged sealing surfaces.
- Installation was fast and easy.



Surface is solvent cleaned with 294. Surface rust was mechanically removed before application of 860 MPG.

Results

- Chesterton 860 MPG was applied to the tube sheet channels and the water box. The unique 2-component sealant cured even in areas up to 6 mm thick.
- Cooler was then hydro-tested for 3 hours at 80 psi.
- Isophase cooler experienced no leaks and was put back in service.
- Customer was able to meet time constraints.



Unit being hydro-tested and readied for service.