

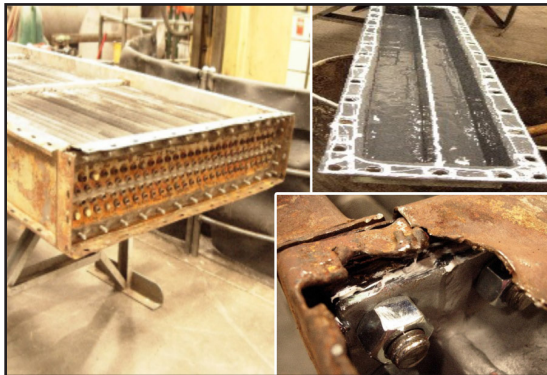
Challenge

Background

Outage time constraints would not permit replacing isophase cooling coils.

Original coils had to be cleaned and put back in service. Coil tube sheet and water box seal surfaces were eroded and rough.

- 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



Isophase Cooler, Chesterton 860 MPG applied to water box and a close up view of 860 MPG and seal joint.

Solution

Product

Chesterton 860™ Moldable Polymer Gasketing (MPG), which has the ability to fill corroded surfaces and create a flat sealing surface.

- ARC 10 industrial coating to rebuild the damaged sealing surfaces
- Installation was fast and easy



Chesterton 860 MPG Cartridges & Activator Tool Box.

Results

Resolved Leakage

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



Coils being tested.