TUBE SHEET CORROSION REPAIR

Read The Full Story

Restoration of Corroded Tube Sheet Minimizes Risk of Air Condition Outage

When unexpected warm weather hit, a Jersey City hotel faced a potential cooling crisis due to corroded chiller tube sheets on its 12th floor. Banks Industrial Group responded fast, using Belzona's high-performance coatings to restore both chillers in place. Given the high cost, long lead times, and challenging accessibility of these components, Belzona offered an effective solution. Despite the difficulty of running compressed air to upper floors, BIG grit-blasted and rebuilt the damaged surfaces, then applied Belzona to prevent future corrosion and fouling. The result: improved chiller efficiency, reduced risk of failure, and uninterrupted guest comfort during a critical time. See next page for step-by-step photos of this process.

Fast, effective chiller restoration keeps hotel guests comfortable.

1. **Corroded tube sheet prior to surface prep**
2. **Restored and protected against future corrosion**
3. **Corroded chiller end cap prior to surface prep**
4. **Corrosion repaired and protective coating applied**

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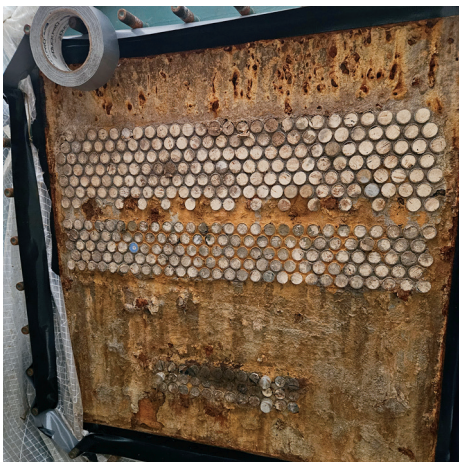
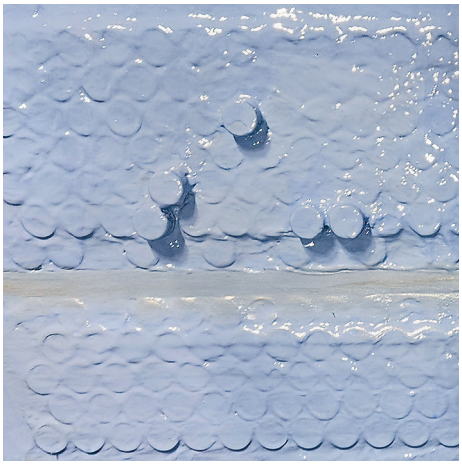
Step-By-Step Corroded Tube Sheet Restoration



End cap removed and exchanger tubes are sealed with corks prior to surface prep.

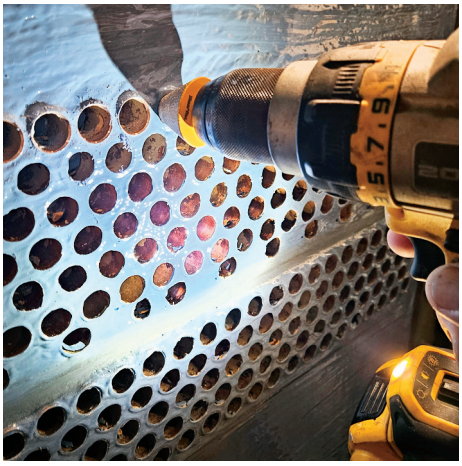
Corrosion and scale are removed and metal is blasted to prep for coating application.

Metal loss is rebuilt, then first step of Belzona 1341 gray coating is applied.

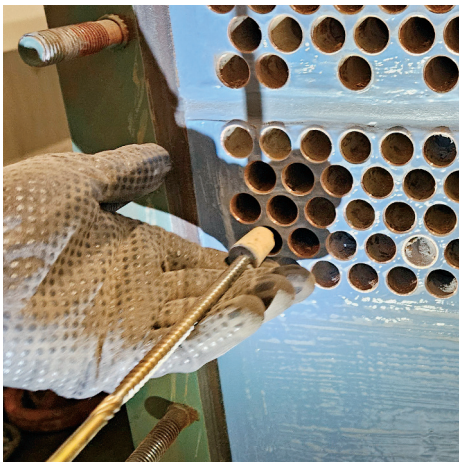


Second step of Belzona 1341 blue coating is applied to seal and protect tube sheet.

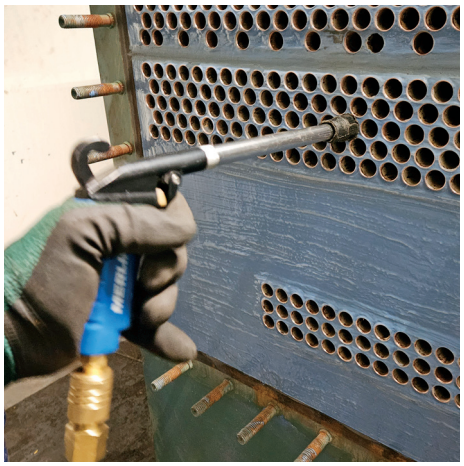
Corks are tapped into exchanger tubes after coating has cured.



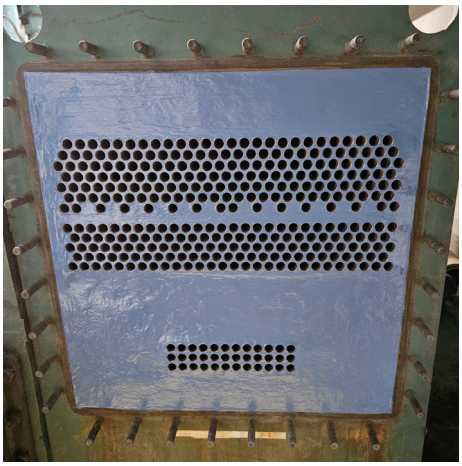
Tube ends are chamfered to remove residual coating overlap.



All sunken corks are removed from within the heat exchanger tubes.



Compressed air is used to blow out any remaining dust and debris.



Completed tube sheet restoration ready for service after final inspection.

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