

Corroded Chiller Refurbishment



PROBLEM

Our client had existing chillers that had never been coated before. Upon inspection they noticed a lot of galvanic corrosion on the tube face sheet and lid of the chiller.

SUBSTRATE

Carbon steel and copper tube sheets

PRODUCTS USED

Duomar SAR Standard Abrasion Ceramic
Duomar EAC Ceramic Lining

SOLUTION

The USI crew came in and set up tents to contain the end of the chillers for dust control.

We corked the tube sheets to prevent blast media from entering the tubes.

We sandblasted the chiller ends to remove corrosion and achieve the proper profile. After sandblasting we vacuumed the area.

We then applied two separate coats of Duomar SAR Standard Abrasion Ceramic to any pitted or damaged areas.

We then applied two separate coats of Duomar EAC Ceramic Lining. One coat in red and an overcoat in grey.