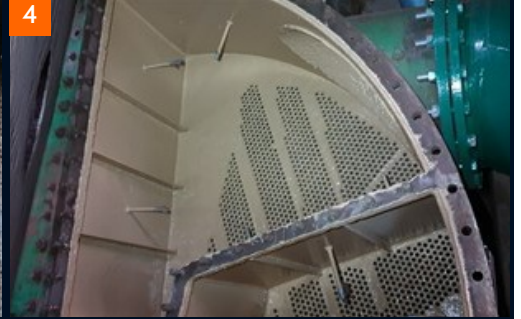
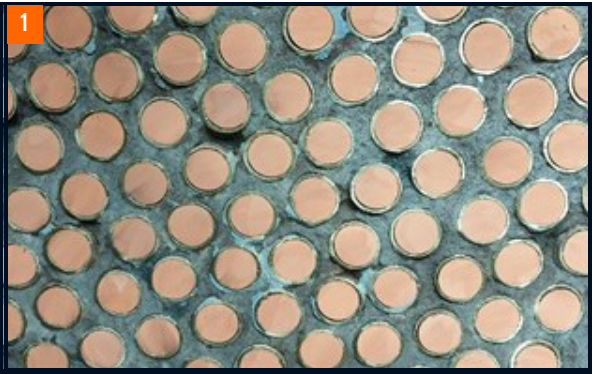


BELZONA PROTECTS A HEAT EXCHANGER IN A CHP PLANT

ID: 8496



PROBLEM

The problem was erosion and corrosion of the tube sheets and capacitor chambers. Erosion occurred as a result of liquid flow, galvanic corrosion occurred at the contact of the exchanger's copper pipes with the steel tube sheet. This led to deep pits. The result was a loss of tightness of the exchanger, which resulted in a decrease in efficiency and, consequently, a reduction in energy efficiency.

APPLICATION SITUATION

Protection of a heat exchanger at the CHP plant in Southern Poland.

APPLICATION METHOD

Corking of tube sheets. Abrasive blasting of the perforated plates, chambers and condenser bottom. Cutting off the protruding parts of the plugs. Thorough dedusting of the entire surface to be repaired. Filling the spaces between the tubes and deep pits with Belzona 1121 followed by Belzona 5811 application in a two layer system in accordance with Belzona System Leaflet HEX-1

BELZONA FACTS

Belzona can offer an In-situ application allowing a reduction in downtime for the customer.

INDUSTRY

Power

LOCATION

Southern Poland

APPLICATION DATE

2021

PRODUCTS

Belzona 1121 (SUPER XL-METAL)
Belzona 5811 (Immersion Grade)

SUBSTRATE

Steel

PHOTOS

Image 1: Corking of Tube Sheets

Image 2: Application of Belzona 1121

Image 3: Application of Belzona 5811

Image 4: Complete Job

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

Belzona products are manufactured
under an ISO 9001 Registered
Quality Management System.

www.belzona.com

