Know-How*in Action*

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BELZONA SEALS HOLED HEAT EXCHANGER

CUSTOMER
Coal-fired Power Plant - Macedonia

APPLICATION DATE
August 2003

APPLICATION SITUATION
Heat exchanger operating at 90 °C

PROBLEM
Hole in a tube sheet due to erosion and galvanic corrosion between copper tubes and steel tube sheet.

PRODUCTS
Belzona® 1311 (Ceramic R-Metal)
Belzona® 1591 (Ceramic XHT-Metal)

SUBSTRATE
Steel & Copper

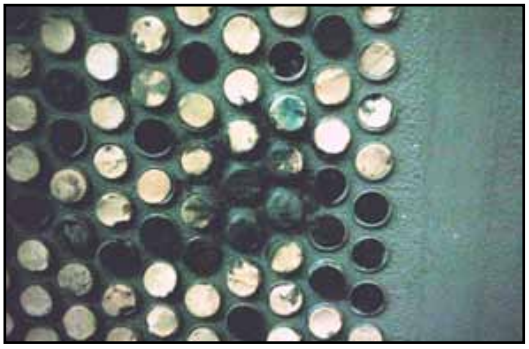
APPLICATION METHOD
Application was carried out in accordance with Belzona Know-How System Leaflets HEX-1 and HEX-3.

BELZONA FACTS
Customer chose this method because alternative was to cut the tubes and replace the tube sheet which is more difficult and needs much more time. Replacement of the tube sheet costs about 8,000EUR. Belzona have done this job for 1,050EUR and completed in two days. Two further much bigger heat exchangers have since been treated.

PICTURES
1. Preparing the heat exchanger for blasting
2. The hole in the tube sheet is evident
3. The hole is filled with Belzona® 1311
4. The heat exchanger surface coated with Belzona® 1591

1.


2.


3.


4.


ISO 9001:2008
Q 09335
ISO 14001:2004
EMS 509612

Belzona products are manufactured under an ISO 9000 Registered Quality Management System.

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