BELZONA SEALS HOLED HEAT EXCHANGER

ID: 596

Industry:	*Power*	Customer Location:	*Coal-fired Power Plant - Macedonia*
Application:	*HEX-Heat Exchangers*	Application Date:	*August 2003*
Substrate:	*Steel & Copper*		
Products:	** Belzona® 1311 (Ceramic R-Metal) ,* ** Belzona® 1591 (Ceramic XHT-Metal) ,*		

Problem

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




Photograph Descriptions

* Preparing the heat exchanger for blasting ,
* The hole in the tube sheet is evident ,
* The hole is filled with Belzona® 1311 ,
* The heat exchanger surface coated with Belzona® 1591 ,

Application Situation

Heat exchanger operating at 90°C

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.