

RECOVERY AND PROTECTION OF OLD HEAT EXCHANGER WITH BELZONA

CUSTOMER

Oil Refinery, Bulgaria

APPLICATION DATE

November 2015

APPLICATION SITUATION

Old heat exchanger in oil refinery cooling benzene fractions with hydrogen sulfide at working temperature up to 70°C.

PROBLEM

Surface of the tube sheets were badly corroded and required recovery and protection to stop unwanted leakages.

PRODUCTS

Belzona 1391T

Belzona 9411 (Release Agent)

SUBSTRATE

Steel and Brass

APPLICATION METHOD

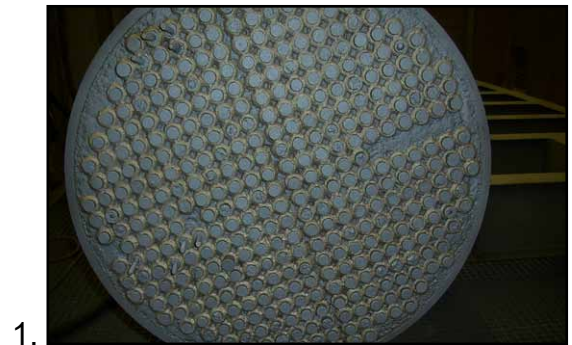
The application was carried out in accordance with Belzona Know-How System Leaflets HEX-1 and HEX-3. After grit blasting, erosion damage was rebuilt before applying Belzona 1391T for overall corrosion protection. A special flange shaped former was coated with Belzona 9411 and positioned so the flange remained uncoated.

BELZONA FACTS

The customer needed a quick and economical repair of the heat exchangers without compromising the quality or performance and reliability for long service life. Belzona 1391T is applied without the need of specialist tools and also can achieve full cure in service. This Belzona repair saves the customer time and money.

PICTURES

1. Grid blasted plate
2. Formers and cork plugs used to limit the repair area
3. Corroded areas rebuilt with Belzona
4. Application completed after 2 coats of Belzona 1391T and cork plugs pulled out



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