

## BELZONA REPAIRS 6 HEAT EXCHANGERS

### CUSTOMER

Morocco

### APPLICATION DATE

March 2019

### APPLICATION SITUATION

Tubesheet of heat exchangers

### PROBLEM

The heat exchangers' tubesheets were damaged by corrosion and exposed to important temperatures (up to 200 °C - Dry heat). The tubesheets needed to be rebuilt and protected

### PRODUCTS

Belzona 1511 (Super HT Metal)

Belzona 1391T

### SUBSTRATE

Steel

### APPLICATION METHOD

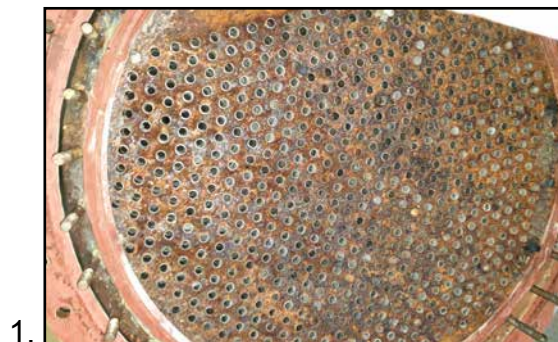
The application was carried out in accordance with Belzona System Leaflet HEX-01. The substrate was grit blasted and cleaned with Belzona 9111. Then all the holes on tubesheets were plugged with corks (6000 corks in total!). The corks were then cut at the tube level and Belzona 1511 was used to rebuild the substrate and a conical grinder was used to chamfer the product around each tube. The application was then protected by 2 coats of Belzona 1391T. The corks were first taken off with compressed air but as this technique was using too much gas for the compressor, they decided to take them off with a drill. The tubes were then cleaned with compressed air.

### BELZONA FACTS

The distributor managed to get this project against a competitor. 50kg of Belzona 1511 and 21kg of Belzona 1391T have been used.

### PICTURES

1. Before application
2. During application sanding down corks flush.
3. During application (Belzona 1391T)
4. During application (Belzona 1391T)



1.



2.



3.



4.

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

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