

Belzona used for the repair and protection of the distributor head of the exchanger

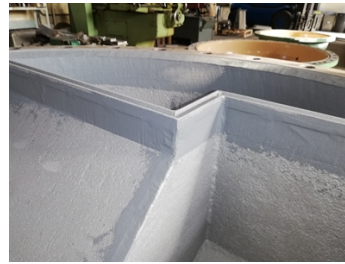
ID: 9603

Industry: *Power*
Application: *HEX-Heat Exchangers*
Substrate: *Carbon steel*
Products: *Belzona 1391T, Belzona 1511 (Super HT-Metal)*

Customer Location: *Slovakia*
Application Date: *March 2020*

Problem

Damage to the distribution head of the exchanger causes poor distribution of hot water and a decrease in the efficiency of the exchanger.



Damage to the distributor head of the exchanger.

It was necessary to create new partitions.

Replacement of the lost original material with the product Belzona 1511 (Super HT-Metal).

Belzona 1391T product application.

Application Situation

The hot medium and constant circulation caused damage to the dividers of the exchanger, which significantly reduced its performance. The customer was looking for a way to solve this problem.

Application Method

Surface blasting to Sa 2.5 with a profile of 75 µm. Surface degreasing. Repair of the partitions of the distribution head by welding new steel bars. Application of Belzona 1511 (Super HT-Metal) on the most damaged parts

Hardening of the material - frostblasting.

Application of Belzona 1391T in two layers with a total thickness of approx. 900 µm

Belzona Facts

It would take a very long time to weld new partitions into the heads of the exchangers (4 pieces). The Belzona solution is high-quality and fast. The customer was very satisfied with it.

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ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

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