

# 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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