

# Heat Exchanger was Recovered and Protected with Belzona

ID: 8369

Industry: Power  
Application: HEX-Heat Exchangers  
Substrate: Steel  
Products: \* Belzona 1111 (SuperMetal) ,  
\* Belzona 1391T ,

Customer Location: Geothermal Power Plant, Turkey  
Application Date: July 2020

## Problem

There were leaks due to welding errors and corrosion between the tube sheets and tubes in the Heat Exchangers.



## Photograph Descriptions

- \* 1- Cork stoppers are installed after grit blasting ,
- \* 2- Belzona 1111 repairing ,
- \* 3- Belzona 1391T protection on tube sheet ,
- \* 4- Belzona 1391T protection on cover ,

## Application Situation

Repair and coating process for tube sheets, covers and flanges on 2 faces of a 12 meters long Heat Exchangers in a Geothermal Power Plant. The Belzona coating to be applied had to be resistant to chemical washing.

## Application Method

First of all, the surfaces were grit blasted. Then all the tubing holes were closed with cork stoppers. After repairing was completed with Belzona 1111, the stoppers were removed. After curing, Belzona 1391T coating was applied in 2 layers.

## Belzona Facts

After the application and curing processes were completed, bubble and pressure tests were carried out and there was no problem.

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

Belzona products are  
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Repair • Protect • Improve

The customer solved their problem quickly and economically by avoiding the huge cost of replacement.

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