

# Belzona Salvages Hydrogen Cooler Heads

ID: 9747

Industry: Power  
Application: HEX-Heat Exchangers  
Substrate: Cast Iron  
Products: Belzona 1311 (Ceramic R-Metal)

Customer Location: Dayton, OH  
Application Date: May 1987

## Problem

Severe pitting corrosion along with erosion of the division bars was affecting efficiency.



Overview of damaged hydrogen cooler head



Preparing to cast division bar with keystone and Belzona 1311.



Division bar cast and cooler head being coated with Belzona 1311



Finished application

## Application Situation

By using Belzona this power plant saved the cost of a new hydrogen cooler head.

## Application Method

This was grit blasted to SSPC SP10. Bar stock was clamped on to reform the division bar then the whole unit was coated with Belzona 1311 (Ceramic R-Metal).

## Belzona Facts

This customer chose Belzona because replacement parts were hard to get.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

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

Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
Management System.

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