

# BELZONA® 1311 (CERAMIC R-METAL) SAVES A PLANT SIX WEEKS OF DOWNTIME

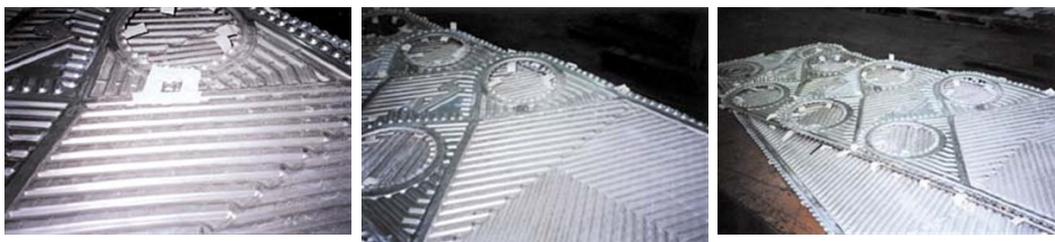
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Industry: *Oil & Gas*  
Application: *HEX-Heat Exchangers*  
Substrate: *Steel alloy*  
Products: *\* Belzona® 1311 (Ceramic R-Metal) ,*

Customer Location: *Oil and gas plant - Alberta, Canada*  
Application Date: *July 1998*

## Problem

*Small pin holes had developed in the heat exchanger plates*



## Photograph Descriptions

- \* 1/16 inch pin holes masked off in prepared surface area ,
- \* Belzona® 1311 (Ceramic R-Metal) applied and force cured with heat lamps ,
- \* All four flame heat exchanger plates are ready for installation ,

## Application Situation

Flame plate heat exchanger

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflets HEX-5 and a modified version of TCC-5.

## Belzona Facts

Four heat exchanger plates were rebuilt while the plant had a scheduled shut down. Replacement plates were the only alternative and would have taken six weeks before being delivered. Belzona® 1311 repaired the damage without welding and saved the plant six weeks downtime.

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

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