

# CHECKER PLATE ROOF JOINTS SEALED WITH BELZONA

ID: 6113

Industry: Chemical & Petrochemical  
Application: RPA-Roof Problem Areas  
Substrate: Checker plate steel panels.  
Products: \* Belzona 3121 (MR7) ,

Customer Location: Petrochemical Plant, UK  
Application Date: 2009

## Problem

The checker plate panels were landed on a gasket seal. Unfortunately, the seals for several panels had failed and water was penetrating into the asset. A bigger problem was presented by caustic vapours escaping from the joints during certain production phases. With no planned shutdown imminent, the client was urgently seeking a solution that could be rapidly installed. The site had many flammable materials and so only cold works and minimal preparation would be allowed.



## Photograph Descriptions

- \* Heater roof with failing joints identified ,
- \* Belzona 3121 being mixed before application to the prepared joints ,
- \* Final application revisited after 1 year ,

## Application Situation

Checker plate roofing panels over heating unit.

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet RPA-1.

## Belzona Facts

Belzona 3121 is a liquid applied emergency roofing material that bonds directly to most substrates. This allows for a very quick application and so minimal downtime was required for this work. In addition, the materials are immediately weatherproof. Whilst

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  
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the application was originally only intended to be a short term solution, it sealed the panels perfectly for over 2 years until the client finally scheduled the replacement of the seals beneath the roof panels.

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