

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

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FS 695214
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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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