

CHECKER PLATE ROOF JOINTS SEALED WITH BELZONA

ID: 6113



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.

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 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.

INDUSTRY

Chemical & Petrochemical

LOCATION

Petrochemical Plant, UK

APPLICATION DATE

2009

PRODUCTS

Belzona 3121 (MR7)

SUBSTRATE

Checker plate steel panels.

PHOTOS

1. Heater roof with failing joints identified
2. Belzona 3121 being mixed before application to the prepared joints
3. Final application revisited after 1 year

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