

# BELZONA REPAIRS REFINERY BOILER ROOM ROOF

ID: 6053

**Industry:** Chemical & Petrochemical  
**Application:** RPA-Roof Problem Areas  
**Substrate:** Concrete and Galvanised Iron Sheet  
**Products:** \* Belzona 4111 (Magma Quartz),  
\* Belzona 3111 (Flexible Membrane),

**Customer Location:** Oil & Gas Company, Saudi Arabia  
**Application Date:** February 2010

## Problem

Spalled concrete on the parapet side of the roof allowed water ingress that resulted in flooding inside the Boiler Room.



## Photograph Descriptions

\* 1. View of damaged parapet wall 2. Concrete repair using Belzona 4111 3. View of completed application including Belzona 3111 waterproofing protection 4. View after 12 months of exposure to the local environmental conditions ,

## Application Situation

Parapet wall on Boiler room.

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflets RPA-9, RPA-10 & RPA-11. Spalled concrete was rebuilt with Belzona 4111 before waterproofing area with Belzona 3111 system.

## Belzona Facts

This was the first time this type of repair solution was carried out for this customer. However, previous successful Belzona solutions in other parts of the plant gave them the confidence to use Belzona in this situation. Belzona 3111 system bonds to most surfaces so ideal for sealing between dissimilar surfaces.

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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