BELZONA SEALS SWITCH ROOM ROOF PENETRATIONS

ID: 6112

Industry: *Power*
Application: *RPA-Roof Problem Areas*
Substrate: *Galvanised steel and plastic coated steel*
Products: ** Belzona 3111 (Flexible Membrane) ,*

Customer Location: *Power Station, Teesside, UK*
Application Date: *2009*

Problem

A series of vents and AC units had been positioned on roofs over the switch rooms. Cladding panels and sealant had been used in attempts to weatherproof the penetrations but this had proved ineffective. In addition, some of the fabrication joints for the vents were also failing, which allowed even more water in. After an incident which had forced sections of the power plant to shut down, Belzona were approached for a solution that could rapidly be installed to seal the complicated details and roof profiles.

Photograph Descriptions

* Switch room vent, cladding detail ,
* Failed fabrication seam ,
* Seams and cladding sealed with Belzona 3111 ,
* Completed application ,

Application Situation

Switch room roof vents.

Application Method

Applications were carried out in accordance with Belzona Know-How System Leaflets RPA-01, RPA-6, and RPA-8, to address the different situations.

Belzona Facts

The Belzona roofing membranes are cold applied and can be used to seal even the most complex of geometries with a simple brush application. With so much at stake, the client was desperate for a solution, and so was delighted to find the Belzona solution could

be delivered in a single day. A series of vents and AC units were sealed quickly to prevent further water damage and disruption to the facilities. This localised application consumed minimal materials and proved very cost effective.