

NOVEL USE OF BELZONA TO SEAL TURBINE HALL ROOF

ID: 4725



PROBLEM

Each time one of the turbines is removed through the roof, Bitumen Flash Band has to be scraped off (very time-consuming) and replaced. The Flash Band does not lend itself to this type of treatment and was letting rainwater into the Turbine Hall. The customer wanted a more convenient way of removing and re-sealing the roof panels.

APPLICATION SITUATION

Combined Cycle Gas Turbine (CCGT) Power station. The two gas turbines at this power station have to be removed through the sheet steel roof for overhaul. Individual roof panels have to be removed to allow this to happen. The turbine goes back the same way, and the roof panels are resealed using a Bitumen Flash Band product on the joints.

APPLICATION METHOD

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

BELZONA FACTS

To allow turbine removal a knife is run down the joints. The joints are easily resealed with a further coat of Belzona 3131 and Reinforcing sheet. Belzona 3131 is easy to apply and lightweight, so procedure can be carried out time and again without detriment to the roof.

INDUSTRY

Power

LOCATION

CCGT Power Station, Runcorn, UK

APPLICATION DATE

March 2012

PRODUCTS

Belzona 3131 (WG Membrane)

SUBSTRATE

Coated sheet steel

PHOTOS

1. General view of turbine hall roof showing Bitumen Flash Band on joints before stripping
2. Close-up of Bitumen Flash Band on joints
3. General view of roof after stripping the joints and sealing with Belzona 3131
4. Another view of the finished roof joints

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