

# BELZONA SEALS AND PROTECTS TRANSFORMER FINS

ID: 4638

Industry: Power

Customer Location: Power Distribution Company, West of Scotland, UK

Application: VPF-Valves, Pipes and Fittings

Application Date: 2011

Substrate: Steel

Products:   
\* Belzona 1291 (ES-Metal) ,   
\* Belzona 1221 (Super E-Metal) ,   
\* Belzona 1161 (Super UW-Metal) ,   
\* Belzona 5831 (ST-Barrier) ,

## Problem

Over the years, corrosion had caused loss of wall thickness at the base of the transformer fins with leaks beginning to occur.



## Photograph Descriptions

- \* Fins before preparation ,
- \* Plates being bonded to side and bottoms of the fins ,
- \* Completed pour using Belzona 5831 ,
- \* Finished Application ,

## Application Situation

Cooling fins on a 33Kv transformer.

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet VPF-11a. The cooling fins were pressure cleaned and prepared where possible with an MBX Bristle Blaster. Live leaks were stemmed with Belzona 1291 and Belzona 1221. The fins were encapsulated using a 3mm metal plate bonded with Belzona 1161. Belzona 5831 was poured in to seal and encapsulate all the fins and then finally used to coat the fins.

## Belzona Facts

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

Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
Management System.

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The customer was looking for a long term repair on the asset and with the use of the Belzona system this was achieved. The surface tolerant properties of the Belzona system enabled the repair to be successfully completed in this difficult to access area. The customer was delighted with the results and is looking to repeat the application to other transformers on their sites throughout Scotland and Northern England.

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