

# BELZONA SEALS LEAKS ON SUPERGRID TRANSFORMER

ID: 2787

Industry: Power  
Application: VPF-Valves, Pipes and Fittings  
Substrate: Steel  
Products: \* Belzona® 1161 (Super UW-Metal) ,  
\* Belzona® 5831 (ST Barrier) ,

Customer Location: UK  
Application Date: April 2011

## Problem

The transformer was leaking through the bolt holes along the flange face.



## Photograph Descriptions

- \* PVC pipe being cut into sections to cover bolts ,
- \* Surface preparation using MBX Bristle Blaster ,
- \* The Belzona® 1161 encapsulated bolts ,
- \* Completed application with Belzona® 5831 applied ,

## Application Situation

A Super Grid Transformer was Leaking. Such transformers are used on the 400 or 275kV grid.

## Application Method

Application was carried out using a modified version of Belzona Know-How System Leaflet VPF-11a. after preparing the metal with an MBX Bristle Blaster, Belzona® 1161 was then used to seal the bolts using PVC pipe of a wider diameter placed over the bolts and filled with the Belzona until totally encapsulated. Once cured, The PVC cups were cut away so that the entire flange could then be covered with Belzona® 5831 to provide overall corrosion protection.

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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## Belzona Facts

The application was a success and has been in service for over 8 months now with no signs of leakage, leading to further business with the same client on more of their assets.

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