

# BELZONA SEALS SULFUR HEXAFLUORIDE LEAKS

ID: 273

**Industry:** Power  
**Application:** VPF-Valves, Pipes and Fittings  
**Substrate:** Aluminium  
**Products:** \* Belzona® 1111 (Super Metal) ,  
\* Belzona® 3921 (GSC Surface Conditioner) ,

**Customer Location:** Electric distributor in Australia.  
**Application Date:** February 2001

## Problem

Leakage at flange joints due to breakdown of the original mastic sealer. There was also a breakdown of the original paint system on the equip-ment.



## Photograph Descriptions

- \* Existing joints showing failed paint system ,
- \* Belzona® 1111 applied to seal joint ,
- \* Area primed with Belzona® 3921 ,
- \* Spray application of paint system to complete the application ,

## Application Situation

Flange joints on electrical switch-gear where Sulphur Hexafluoride (SF6) is used as a gaseous insulant.

## Application Method

After blasting to remove existing coatings and mastic, Belzona® 1111 was used to seal the flange joint. Belzona® 3921 was then applied to create a base for a conventional paint that was spray applied to the area.

## Belzona Facts

A laser leak detection camera on the sealed flanges has revealed no leaks, and an order has been received for all 515 flanges on the site due to the success of the first application.

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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