

# BELZONA REPAIRS MAIN COOLING WATER SYSTEM FLANGE

ID: 1360

Industry: Power  
Application: VPF-Valves, Pipes and Fittings  
Substrate: Steel  
Products: \* Belzona® 1111 (Super Metal) ,

Customer Location: Nuclear Power Station, UK  
Application Date: September 2009

## Problem

A new spool had been manufactured to connect the intake pipe to the rest of the cooling water system. During welding, the flange on this spool had become warped and following the subsequent machining was found to be up to 9mm undersized.



## Photograph Descriptions

- \* Belzona® 1321 coating on puddle pipe ,
- \* Application of the Belzona® 1111 ,
- \* Machining of the cured Belzona® 1111 ,
- \* The completed application ,

## Application Situation

Flange on seawater intake pipe of cooling system for nuclear power station

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet VPF-13. After applying the Belzona proud, on-site machining was used to achieve correct dimensions.

## Belzona Facts

This application follows the successful coating of the pipe internals with Belzona® 1321 in 2006. After 3 years this coating had been found to be in excellent condition, when this problem arose Belzona was the first and obvious choice. Belzona has been used many times to repair damaged flanges. The only alternative available to the client was to prefabricate the spool which represented unacceptable down-time.

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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9000 Registered Quality  
Management System.

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