

# BELZONA PROTECTS NEW STAINLESS STEEL PIPE SPOOLS

ID: 5526

Industry: Power  
Application: VPF-Valves, Pipes and Fittings  
Substrate: Stainless Steel  
Products: \* Belzona 4311 (Magma CR1) ,

Customer Location: Gas Fired Power Station, Avonmouth, UK  
Application Date: December 2014

## Problem

Previously, carbon steel pipe spools were lined with rubber. During the pipe spool service, various chemicals had broken down the rubber lining and started to corrode the steel. The Power Station opted to replace the pipe work with stainless steel spools and requested that Belzona supply a solution to prevent internal corrosion. The pipe spools will come in contact with Sulphuric Acid and Chlorine Dioxide diluted in secondary treated sewage water.



## Photograph Descriptions

- \* New pipe spools before coating ,
- \* New pipe spools before coating ,
- \* Pipe spools after coating ,
- \* Pipe spools after coating ,

## Application Situation

The Power Station had 2 newly fabricated stainless steel pipe spools which were required to have an internal protective coating.

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet VPF-2. After masking off all areas not to be coated, all edges were radiused and welds ground smooth before being grit blasted and coated with the Belzona 4311 system.

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  
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9000 Registered Quality  
Management System.

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## Belzona Facts

Current pipes in service were lined with rubber and when in service this rubber lining was eroded away and caused the pipes to leak Sulphuric Acid. Using the Belzona coating solution the new pipes will have a longer service life.

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