

# Belzona SuperWrap II Seals Deteriorated Pipe Coupling

ID: 7912

Industry: Power  
Application: VPF-Valves, Pipes and Fittings  
Substrate: Carbon steel  
Products: \* Belzoa 4141 (Magma-Build) ,  
\* Belzona SuperWrap II ,

Customer Location: Natural gas power plant, California, USA  
Application Date: November 2018

## Problem

The pipe coupling was buried and therefore suffered severe corrosion below the ground.



## Photograph Descriptions

- \* Damaged coupling. ,
- \* Application of Belzona 4141. ,
- \* Application of Belzona Superwrap II. ,
- \* Complete Application: Before & After ,

## Application Situation

Flange coupling connecting a 32" cooling water bypass line for the power plants cooling tower.

## Application Method

The application took place during the plant's regular shutdown. The whole procedure including set up, surface preparation, application and clean up took 3 days. A tent enclosure was built and grit blasting was carried out by a contractor on the first day with a final frost blast early morning on the second day. The application was performed by the customers maintenance team. The bulk fill with Belzona 4141 and the first layer of Belzona 1982 SuperWrap II was done on the second day. After a detergent wash of the wrap and surface preparation of the first wrap, the second and third layer had been applied on the third and final day of the application. Each layer of the wrap has been individually consolidated with Belzona 9382 release film. The application was carried out in accordance with a modified version of Belzona Know-How System Leaflet - VPF-14.

## 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.

[www.belzona.com](http://www.belzona.com)

**BELZONA**  
Repair • Protect • Improve

The customer was looking for a more cost effective solution than replacing the coupling which would have involved removing a whole section of the connecting pipe and heavy equipment operating inside the plant. The customer also liked that we offered a whole package as a solution for their problem. Including the design of the Belzona system, a complete training of their maintenance personnel and application support/supervision of the whole project.

---

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.

[www.belzona.com](http://www.belzona.com)

