

# BELZONA SUPERWRAP II EXTENDS LIFE OF PIPING BY 10 YEARS

ID: 8574

**Industry:** Oil & Gas  
**Application:** VPF-Valves, Pipes and Fittings  
**Substrate:** Carbon Steel  
**Products:** \* Belzona 1983 (SuperWrap II Resin) ,  
\* Belzona 9381 (SuperWrap II Reinforcement Sheet) ,  
\* Belzona 9382 (Release Film) ,

**Customer Location:** Western Australia  
**Application Date:** October 2020

## Problem

The 250 mm diameter pipe had developed a critical (Class 3) through wall defect at the bent. The operating temperature was 50°C and the operating pressure was 15 bar.



## Photograph Descriptions

- \* 1. Defect area of the pipe ,
- \* 2. Surface abrasive blasted ,
- \* 3. Application in progress ,
- \* 4. Release Film over the wrap waiting to cure ,

## Application Situation

High Pressure, Fuel Oil Piping

## Application Method

The application was completed in accordance with Belzona Know-How System Leaflet VPF-11. The defect area was abrasive blasted to SA 2.5 with a 75 microns profile. Belzona SuperWrap II was applied in accordance with the engineered design as an 8 wrap system with the total length of 490 mm, using Belzona 1983 resin to provide a further 12 years service life.

## Belzona Facts

Belzona SuperWrap II was chosen because it is an engineered solution that can be designed as a pipe repair system being compliant to ISO 24817 and ASME PCC-2. With the customer being able to do their own designs and having validated applicators on site, makes the onsite maintenance team independent and the repair was completed with-in 48 hours.

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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