

# Belzona® SuperWrap II On-site Application for CUI

ID: 8241

**Industry:** Oil & Gas  
**Application:** VPF-Valves, Pipes and Fittings  
**Substrate:** Carbon steel  
**Products:** \* Belzona 1111 (Super Metal) ,  
\* Belzona 1981 (SuperWrap II) ,  
\* Belzona 9381 (Reinforcing Sheet) ,  
\* Belzona 9382 (Release Film) ,

**Customer Location:** Taicang, China  
**Application Date:** January, 2017

## Problem

Corrosion under insulation(CUI).



## Photograph Descriptions

\* 1. Damaged pipelines before application 2. Repair pitting spots with Belzona 1111 3. Multiple layers applied in accordance with designing requirement 4. Application complete before release film removal. ,

## Application Situation

Lubricating oil pipeline Diameter is 250mm; Normal operating pressure is 2MPa while instantaneous pressure could be up to 5MPa.

## Application Method

Application carried out in accordance with Belzona System Leaflet VPF-11 using Belzona SuperWrap II technology with installers, supervisors and designers who had been fully validated trained with this system. The first step is rebuilding corroded area by using Belzona 1111 to restore the original profile of pipelines. Then use Belzona SuperWrap II to restore and improve the strength of pipelines.

## Belzona Facts

Belzona SuperWrap II supports on-site application with minimal downtime required and avoids replacement of pipelines. The entire application procedure is processed without hot-work to ensure construction safety. This application is completed within 6 hours and the pipelines return to full strength after 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

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