

# Belzona® SuperWrap II Provides Corrosion Protection for Buried Piping

ID: 8239

## Industry:

Application: VPF-Valves, Pipes and Fittings

Substrate: Carbon steel

Products: \* Belzona 1161 (Super UW-Metal) ,

\* Belzona SuperWrap II ,

Customer Location: Shaanxi, China

Application Date: July 2016

## Problem

*Thin wall and pitted surface on this pipeline.*



## Photograph Descriptions

- \* 1. Severely rusted layer on the pipe surface; ,
- \* 2. Explosion-proof water blasting for surface preparation; ,
- \* 3. Applying pipeline wrapping; ,
- \* 4. Application complete ,

## Application Situation

This oil pipeline is deeply buried about 1.5 meters under the ground and has been operating in a humid environment for a long time, with the body of pipeline severely corroded.

## 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.

## Belzona Facts

During regular maintenance, the client detected the reduced wall thickness of the pipeline and the need of taking effective measures to ensure safe production. However, replacement of new pipelines requires downtime operations, long application window, and on-site hot work which means safety hazards and high costs. General pipeline repair systems could not provide strong pressure holding ability and cause galvanic corrosion when carbon fiber reinforced belt contacts the pipeline body, which will further aggravate corrosion. The new generation of Belzona SuperWrap system does not require hot work during the application process and uses only insulating materials offering strong pressure holding ability, so that the above problems are avoided. This system can be applied on-site to quickly restore the original strength of the pipeline without any operating downtime.

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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manufactured under an ISO  
9000 Registered Quality  
Management System.

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