

# Belzona® Composite repair On-site Application for Buried Natural Gas Pipelines

ID: 8242

Industry: Oil & Gas  
Application: VPF-Valves, Pipes and Fittings  
Substrate: Carbon steel  
Products: \* Belzona 1161 (Super UW-Metal) ,  
\* Belzona 9371 (Reinforcement Sheet) ,

Customer Location: Sichuan, China  
Application Date: August, 2013

## Problem

The operating pressure of these buried gas pipelines is 2Mpa; Maximum depth of external metal loss is 6.7mm; The corrosion area is 40 × 60mm. These pipelines have been immersed in a humid environment for a long time, and the surface of the pipeline cannot be dried.



## Photograph Descriptions

- \* 1. Buried pipeline☐ ,
- \* 2. Damaged external surface☐ ,
- \* 3. Dry wrapping of the reinforcing sheet; ,
- \* 4. Application complete ,

## Application Situation

These natural gas supply pipelines are used for the local scenic area which cannot be replaced or shut down. The client requires on-site repair by an engineering designed repairing system.

## Application Method

Application carried out in accordance with Belzona System Leaflet VPF-11

## Belzona Facts

As these buried gas pipelines operate in humid environments (such as paddy fields and hills area), Belzona moisture tolerant material is used for on-site application which avoids hot-work and saves time and costs for client. The client is very pleased with the result.

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ISO 9001:2015  
FS 695214  
ISO 14001:2015  
EMS 695213

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