

# BELZONA REPAIRS CORRODED GAS PIPE AT BOILER HOUSE

ID: 3014

**Industry:** Buildings & Structures  
**Application:** VPF-Valves, Pipes and Fittings  
**Substrate:** Iron  
**Products:** \* Belzona® 1161 (Super UW Metal) ,  
\* Belzona® 5831 (ST Barrier) ,

**Customer Location:** University, Manchester UK  
**Application Date:** February 2012

## Problem

*Following asbestos removal several years ago, a section of a gas main pipe had been left exposed to water ingress from above and as a result had suffered corrosion and metal loss. The client required a solution that was quick, easy and safe to apply to a live gas pipe, that would replace the metal loss and provide lasting protection from further corrosive attack.*



## Photograph Descriptions

- \* The entry point of the Gas pipe via a service tunnel making access and application difficult ,
- \* Close up of corroded section of pipe ,
- \* Completion of Belzona® 1161 application ,
- \* Completion of application including final coat of Belzona® 5831 ,

## Application Situation

Main gas feed pipe to boiler house at large University building.

## Application Method

The application was carried out in accordance with a modified version of Belzona Know-How System Leaflet VPF-11. Belzona® 1161 was applied to rebuild and protect the badly corroded section of the pipe followed by a heavy coat of Belzona® 5831 for added corrosion protection.

## Belzona Facts

Belzona® 1161 and Belzona® 5831 were chosen for their surface tolerant properties. The alternative would have been to remove the corroded section of pipe which would have proved a very lengthy, labour intensive and costly procedure. The Belzona

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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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application took approximately 5 hours to complete spread over two days.

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