

# BELZONA SEALS CORRODED SEWAGE PIPE AT BUSY POLICE HEADQUARTERS

ID: 4678

**Industry:** Buildings & Structures  
**Application:** VPF-Valves, Pipes and Fittings  
**Substrate:** Cast Iron  
**Products:** \* Belzona 1291 (ES Metal) ,  
\* Belzona 1161 (Super UW Metal) ,

**Customer Location:** Police Headquarters, Bedfordshire UK  
**Application Date:** March 2013

## Problem

The customer had tried to cure the leak by wrapping a type of adhesive tape around the corroded area. When this failed they contacted Belzona for a fast, cost effective, permanent and quiet solution.



## Photograph Descriptions

- \* Corroded pipe wrapped with adhesive tape ,
- \* Adhesive tape removed showing corroded hole and crack ,
- \* Corroded area after cleaning and then abrading with MBX Bristle Blaster ,
- \* Completed repair ,

## Application Situation

A 4" cast iron sewage pipe behind toilets on the 3rd floor started leaking at the point where 4 x pipes connect, causing water damage to the toilet blocks on both floor levels below.

## Application Method

Application was carried out in accordance with Belzona Know How System Leaflet VPF-11. After removing the adhesive tape installed by the customer, the corroded and leaking area was cleaned down and then abraded using MBX Bristle Blaster to create a profile, which created a larger hole. This enlarged hole was gradually filled with Belzona 1291 until sealed and then wrapped over with Belzona 1161 incorporating Belzona 9341 (Reinforcing Tape).

## Belzona Facts

The customer had been quoted £4000-£4500 for the corroded "cross connector" to be cut out using a grinder (which would be very

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ISO 9001:2015  
FS 695214  
ISO 14001:2015  
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noisy, time consuming and difficult) and a new part installed. For this expensive solution the toilet blocks on all 4 floor levels would need to be closed for 4-5 days. Instead, approx. £120 of Belzona materials were used, the repair took 2 hours and all the toilet blocks were back in service within 4 hours of being closed.

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