

# Belzona has what it takes to stop the acid leak

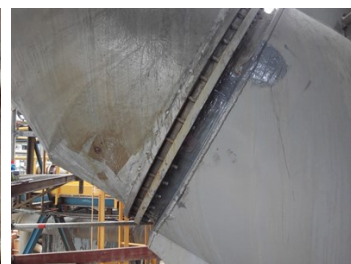
ID: 7911

Industry: Chemical & Petrochemical  
Application: VPF-Valves, Pipes and Fittings  
Substrate: Steel  
Products: \* Belzona 4301 ( Magma CR1 Hi-Build ) ,

Customer Location: Huelva - Spain  
Application Date: June 2018

## Problem

*In the gas suction line condensation of the acids on the internal surface has caused severe corrosion, leading to leaks, which are hazardous to the surrounding environment.*



## Photograph Descriptions

- \* 1. Location of equipment within the acid plant ,
- \* 2. Close up of defect ,
- \* 3. Belzona 4301 being applied ,
- \* 4. Completed repair ,

## Application Situation

In a Copper production acid plant, pipework in a gas washing process carries acid contaminated gases.

## Application Method

Application is carried out using a modified version of Belzona System Leaflet VPF-11. The surface was prepared using mechanical tools and was cleaned with acetone to remove surface contaminants.

## Belzona Facts

The damage is localized to a small area on a large section of pipework. Replacing is a costly and work intensive exercise. Weld repairs are likely to lead to the same problem occurring again. Access for heavy welding equipment is also difficult, and hot work is

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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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not permitted without special measures being put in place, which are undesirable to the customer. Belzona 4301 has the required chemical resistance to stand up to the 98% sulfuric acid, and can be applied quickly and easily, making it a convenient and effective solution.

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