

# 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

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

Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
Management System.

[www.belzona.com](http://www.belzona.com)



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.

---

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

Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
Management System.

[www.belzona.com](http://www.belzona.com)

