

Belzona has what it takes to stop the acid leak

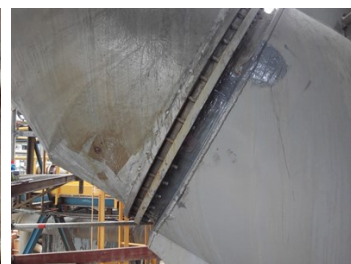
ID: 7911

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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