

## BELZONA SEALS DILUTED ACID LEAK

### CUSTOMER

Spain

### APPLICATION DATE

September 2016

### APPLICATION SITUATION

A sulphuric acid scrubber in an acid plant subject to contact with diluted sulphuric acid.

### PROBLEM

A small leak had developed at the top section of the scrubber. The resulting leak dripped down onto a lower area of the surface, causing damage to the external coating and resulting in an additional leak.

### PRODUCTS

Belzona 9611 (ES-Metal)

Belzona 4301 (Magma CR1 Hi-Build)

Belzona 9341 (Reinforcement Tape)

### SUBSTRATE

Carbon Steel

### APPLICATION METHOD

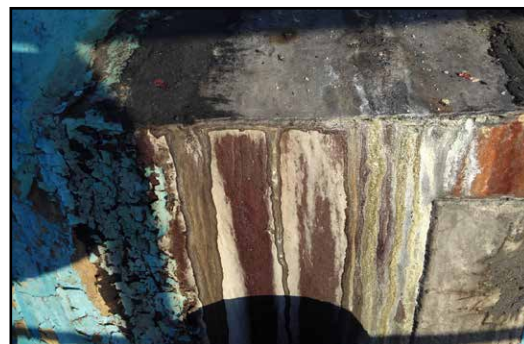
Loose metal was removed with mechanical tools until the surface was clean and had a rough profile. The repair area was decontaminated with acetone. Belzona 9611 was used to seal the live leaks. The small repair areas were covered with Belzona 4301 & Belzona 9341. In the larger repair areas, a PVC plate was bonded on with Belzona 4301 for additional strength. The application was completed in accordance with a modified version of Belzona Know-How System Leaflet TCC-01.

### BELZONA FACTS

Welding repairs would have required complete shut down, draining and decontamination of the equipment to make the area safe for hot work. With the Belzona solution, this is not required, saving a huge amount of time and inconvenience for the customer. Alternative repair composites were considered, however none had the chemical resistance of Belzona to resist the acidic conditions.

### PICTURES

1. Leak caused by internal chemical attack
2. Damage caused by dripping acid
3. Surface preparation complete
4. Application complete



1.



2.



3.



4.

For more examples of *Belzona Know-How In Action*, please visit <http://khia.belzona.com>



ISO 9001:2008  
Q 09335  
ISO 14001:2004  
EMS 509612

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