

# NOZZLE IN ACID TANK PROTECTED WITH BELZONA INSERT

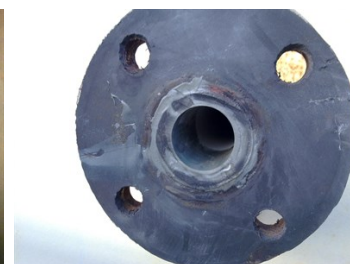
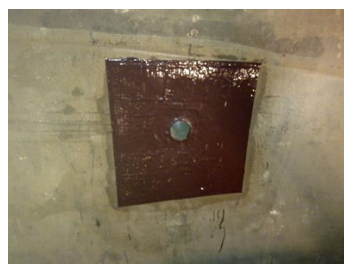
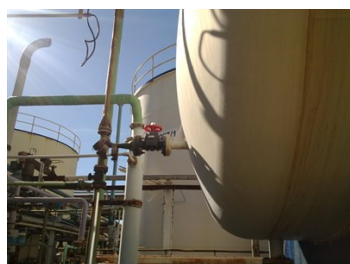
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**Industry:** Chemical & Petrochemical  
**Application:** TCC-Tanks and Chemical Containment Areas  
**Substrate:** Ebonite  
**Products:** \* Belzona® 4301 (Magma CR-1 Hi-Build),  
\* Belzona® 4311 (Magma CR-1),

**Customer Location:** Chemical manufacturer, Cataluña, Spain  
**Application Date:** October 2010

## Problem

The interior of an ebonite lined nozzle handling 26% Hydrochloric acid had suffered damage.



## Photograph Descriptions

- \* Outer view of the tank and nozzle ,
- \* Belzona® 4301 Nozzle Insert being installed ,
- \* Surrounding Ebonite rebuilt with Belzona® 4301 to seal the insert ,
- \* Insert sealed at the flange ,

## Application Situation

Nozzle into Hydrochloric acid storage tank at Caustic soda producer

## Application Method

The application was carried out according to the Belzona Know-How System Leaflets TCC-16a and TCC-16b. Nozzle was made from Belzona® 4301 and bonded into place with Belzona® 4311.

## Belzona Facts

Belzona solution allowed a fast back to service time for the tank with an easy in-situ repair. This proves to be far more cost effective than relining with an Ebonite coating.

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

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9000 Registered Quality  
Management System.

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