

NOZZLE IN ACID TANK PROTECTED WITH BELZONA INSERT

CUSTOMER

Chemical manufacturer, Cataluña, Spain

APPLICATION DATE

October 2010

APPLICATION SITUATION

Nozzle into Hydrochloric acid storage tank at Caustic soda producer

PROBLEM

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

PRODUCTS

Belzona® 4301 (Magma CR-1 Hi-Build)

Belzona® 4311 (Magma CR-1)

SUBSTRATE

Ebonite

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.

PICTURES

1. Outer view of the tank and nozzle
2. Belzona® 4301 Nozzle Insert being installed
3. Surrounding Ebonite rebuilt with Belzona® 4301 to seal the insert
4. Insert sealed at the flange



1.



2.



3.



4.

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



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