

# BELZONA REPAIRS TANK NOZZLE

ID: 5892

**Industry:** General Industry  
**Application:** VPF-Valves, Pipes and Fittings  
**Substrate:** Carbon steel  
**Products:** \* Belzona 4301 (Magma CR1 Hi-Build) ,  
\* Belzona 4311 (Magma CR1) ,

**Customer Location:** Zinc Producer, North Carolina, USA  
**Application Date:** July 2015

## Problem

*The original coating inside the tank nozzle failed due to acid erosion. Sulfuric acid began leaking into the containment area.*



## Photograph Descriptions

- \* Damaged tank nozzle ,
- \* Blast work being carried out on tank nozzle ,
- \* Rebuilding the flange of the nozzle with Belzona 4301 ,
- \* Completed nozzle with Belzona 4311 coating ,

## Application Situation

400,000 sulfuric acid holding tank nozzle.

## Application Method

The tank nozzle flange and inside neck area was blasted to prepare its surface for the Belzona coating. Belzona 4301 was used to build the tank nozzle flange back up to its original shape. Two coats of Belzona 4311 were used to coat the flange and the interior of the tank nozzle.

## Belzona Facts

The Belzona products proved to be a quick and cost effective solution to the customer's leaking storage tank. The use of Belzona's product helped prevent long-term damage associated with acid corrosion. This job has allowed the technical consultant to present the customer with a quote for an even larger project.

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ISO 9001:2015  
FS 695214  
ISO 14001:2015  
EMS 695213

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