

# NOVEL REPLACEMENT OF GUTTER IN CHEMICAL PLANT USING BELZONA

ID: 1513

**Industry:** Chemical & Petrochemical  
**Application:** TCC-Tanks and Chemical Containment Areas

**Customer Location:** Chemical Plant, France

**Application Date:** August 2010

**Substrate:** Steel and concrete

**Products:** \* Belzona® 4311 (Magma CR-1),  
\* Belzona® 4151 (Magma Resins),

## Problem

The original gutter was made of tiles which became soft and porous.



## Photograph Descriptions

- \* Damaged gutter ,
- \* New steel gutter ready to be installed ,
- \* Steel gutter grouted into place with Belzona® 4151 ,
- \* Belzona® 4311 applied to completely seal grout and surrounding concrete ,

## Application Situation

Gutter for collecting spills in a truck unloading area for Caustic soda and Hydrochloric acid.

## Application Method

Application was carried out in accordance with modified Belzona Know-How System Leaflets TCC-5 and FPA-10. A new gutter made of steel was coated in workshop with Belzona® 4311 on the inside and 1 layer of Belzona® 4911 + aggregate on the outside. On site the gutter was cleaned and prepared, then the new steel gutter was grouted into place using Belzona® 4151 mixed with sand to seal between the concrete and the steel gutter.

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

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FS 695214  
ISO 14001:2015  
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## Belzona Facts

The customer needed the unloading area back in service as quickly as possible. As the steel gutter was coated and inspected at the workshop, downtime was saved, and only 3 days were required to install the new gutter.

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