

# BELZONA BONDS PIPE SUPPORTS TO TANK

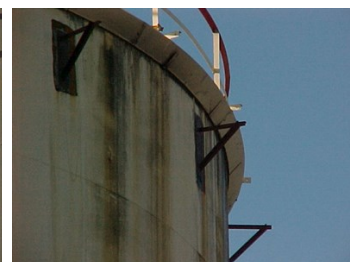
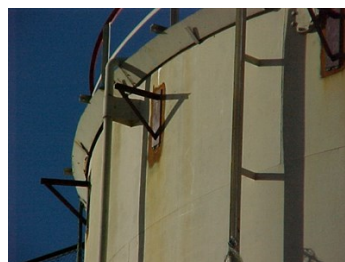
ID: 1720

**Industry:** Chemical & Petrochemical  
**Application:** VPF-Valves, Pipes and Fittings  
**Substrate:** Carbon Steel  
**Products:** \* Belzona® 1121 (Super XL Metal) ,

**Customer Location:** Tank Farm, Dublin, Ireland  
**Application Date:** December 2002

## Problem

A pipework deluge system was required to be installed, however the tanks were full of oil, so making them gas free for hotwork (to weld the brackets) was an expensive option.



## Photograph Descriptions

- \* Tank Farm Location ,
- \* Tank Farm Location ,
- \* Close up showing the bracket bonded. The rust was due to the later coating of the tank/bracket ,
- \* Additional view of bonded brackets ,

## Application Situation

Oil Storage Tanks

## Application Method

Application was carried out using a modified version of Belzona System Leaflet VPF-15. The surfaces were prepared by gritblasting using a water/amine fire suppressant and corrosion inhibitor (approved for use). The supports were bonded to the tank sides.

## Belzona Facts

Testing of similar brackets showed that 12 tonnes force was required to remove the brackets. This process avoided the costs associated with draining and storing the oil, as well as cleaning the tank to make it gas free for hotwork. After 5 years brackets were replaced and welded when tanks were emptied for a full inspection.

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

Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
Management System.

[www.belzona.com](http://www.belzona.com)

  
**BELZONA®**  
Repair • Protect • Improve