

# Belzona® Provides Corrosion Protection for Hydrochloric acid Chemical Tank Lining

ID: 8238

Industry: Chemical & Petrochemical

Customer Location: Petroleum Company in Guangdong, China

Application: TCC-Tanks and Chemical Containment Areas

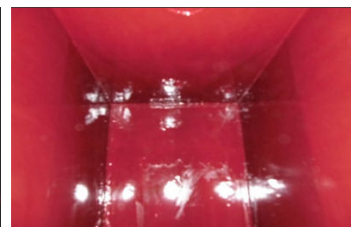
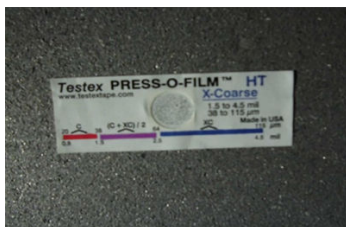
Application Date: July 2014

Substrate: Carbon steel

Products: \* Belzona 4341 (Magma CR4) ,  
\* Belzona 1111 (Super Metal) ,

## Problem

The chemical tank lining has experienced chemical corrosion, which could lead to safety hazards.



## Photograph Descriptions

\* 1. Corrosion situation of metal surface; 2. Measure roughness of blasted metal surface; 3. Measure thickness; 4. Tank lining repaired ,

## Application Situation

hydrochloric acid chemical tank

## Application Method

Application carried out in accordance with Belzona Know-How System Leaflet TCC-5. Blast clean corrosion spots on the tank lining to achieve a minimum depth profile of 3 to 4 mils. Clean the prepared metal surface with Belzona 9111 and wait till dry. Then rebuild lost metal surface with Belzona 1111 before applying Belzona 4341. After first layer touch dries (within 24hours), apply the second layer. Last but not least, measure coating thickness of a chosen area by using a thickness gauge to make sure the thickness no less than 500µm.

## Belzona Facts

Belzona 4341(Magma CR4) is a two-component barrier coating for protecting surfaces subject to chemical attack. It is optimised for resistance of inorganic acids. This high-performance coating protects tank lining, saved the client's cost of replacing equipment and eliminated potential safety hazards. The Client is very satisfied with Belzona solution.

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.

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|                |                           |
|----------------|---------------------------|
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| FS 695214      | manufactured under an ISO |
| ISO 14001:2015 | 9000 Registered Quality   |
| EMS 695213     | Management System.        |

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