

# BELZONA COATING FOR A REFINERY KNOCK-OUT DRUM

ID: 1913

**Industry:** Chemical & Petrochemical  
**Application:** TCC-Tanks and Chemical Containment Areas  
**Substrate:** Steel  
**Products:** \* Belzona® 1521 (HTS1),

**Customer Location:** Refinery, UK  
**Application Date:** January 2007

## Problem

The replacement of the drum was a major part of the refinery shut-down and a corrosion resistant lining was required to maximise the vessels useful service life.



## Photograph Descriptions

- \* The vessel in the workshop ,
- \* Smoothing the welds by grinding ,
- \* Mixing the material ,
- \* Spraying underway ,

## Application Situation

Low pressure flare knock-out drum measuring approximately 12 metres in length and 5 metres in diameter.

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet TCC-5. Belzona® 1391 for stripe coating of all welds and nozzles prior to the application of Belzona® 1521 using airless spray equipment.

## Belzona Facts

Belzona coatings were chosen for their ability to provide corrosion protection at the elevated temperatures and pressures involved. In particular resistance to rapid decompression was essential.

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

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9000 Registered Quality  
Management System.

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