

# Corroded Amine Vessel Saved By Belzona

ID: 4184

**Industry:** Oil & Gas  
**Application:** TCC-Tanks and Chemical Containment Areas  
**Substrate:** Mild Steel  
**Products:** \* Belzona 1511 (Super HT Metal),  
\* Belzona 1591 (Ceramic XHT Metal),

**Customer Location:** Queensferry  
**Application Date:** October 11

## Problem

The vessel walls were starting to degrade significantly with either a Belzona repair or costly replacement being the options.



## Photograph Descriptions

\* Picture 1 - The vessel in a contained environment for blasting. Picture 2 - Pitting and Corrosion Picture 3 - Belzona 1511 applied over pitting Picture 4 - Belzona 1591 Applied ,

## Application Situation

An Amine Boiler had suffered from the high temperatures with a high level of pitting and corrosion

## Application Method

The Vessel was grit blasted to SA 2.5 75 microns minimum. All brackets had their edges radius to 3mm. Belzona 1511 Super HT Metal was used to fill in the deep pitting that had occurred. A stripe coat of Belzona 1591 was placed around brackets. Two coats of 1591 was applied with a flash blast between coats. Remedial work was carried out where necessary.

## Belzona Facts

Belzona Repaired the vessel in 1 week including preparation and remedial work. Belzona completely prevented corrosion. Costly replacement was avoided which wouldn't have stopped the problem.

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

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