

# BELZONA SOLUTIONS FOR INTERNAL COATING OF VESSEL

ID: 9754

Industry: Oil & Gas  
Application: TCC-Tanks and Chemical Containment Areas  
Substrate: Carbon steel  
Products: Belzona 1391T

Customer Location: DUBAI, UNITED ARAB EMIRATES  
Application Date: December 2024

## Problem

A refurbished fabricated vessel required an internal coating to provide long-term protection against erosion and corrosion in immersed conditions. The test separator works with hydrocarbons with operating temperature around 100 degrees Celsius



The vessel suffered corrosion and erosion.



Work in progress for the full vessel.



During the application of Belzona 1391T in the vessel, the applicator followed Belzona Know-How System Leaflets TCC-5, TCC-16a, and TCC-16b.



A two-coat system of Belzona 1391T was achieved for the vessel's internal lining.

## Application Situation

Process vessels are essential components, and any issues must be promptly addressed. Corrosion and erosion weaken the equipment, increasing the risk of leaks, which can compromise safety, cause environmental pollution, and result in substantial economic losses.

## Application Method

The application followed Belzona Know-How System Leaflets TCC-5, TCC-16a, and TCC-16b. A two-coat system of Belzona 1391T was applied for internal lining, with all vessels coated at the fabricator's yard.

## Belzona Facts

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

By using Belzona internal coating instead of alloy, the client reduced project costs by 50%. The application, carried out per Belzona International standards, was thoroughly inspected by certified Belzona inspectors.

---

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)



Copyright © Belzona International Limited 2025