

# Belzona Seals and Protects Corrugated Metal Roof Of a Waste Digester Chamber

ID: 9532

Industry: *Not Specified*

Customer Location: *Mesaheed, Qatar*

Application: *TCC-Tanks and Chemical Containment Areas*

Application Date: *July 2024*

Substrate: *Carbon steel*

Products: *Belzona 1161 (Super UW-Metal), Belzona 5831 (ST-Barrier)*

## Problem

*The corrugated roof suffered from multiple through holes created by severe corrosion. The content of the digester tank was methane gas, and mechanical surface preparation was undesirable due to the flammability of the content.*



Situation before application

The holes were sealed by using Belzona 1161 supported with metal wire mesh

A replicated steel plate was fabricated and bonded over the entire affected area.

Application completed after top coated with Belzona 5831 in two coat system.

## Application Situation

The existing corrugated roof had corrosion damaged under the insulation due to water ingress and it was not inspected for many years.

## Application Method

The application was carried out in accordance with Belzona Know-How system leaflet TCC-5.

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

## Belzona Facts

Belzona 1161 is a surface-tolerant rebuilding grade that can bond to a wet surfaces with a minimum level of surface preparation available.

Belzona 5831 is a surface-tolerant barrier coating for protecting metallic and non metallic surfaces with minimum level of surface preparation.

---

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)

