

# Belzona Repair And Protect Offshore Closed Drain Tank

ID: 8475

Industry: Oil & Gas  
Application: TCC-Tanks and Chemical Containment Areas  
Substrate: Carbon steel  
Products: \* Belzona 1111 (Supermetal) ,  
\* Belzona 5811 (Immersion Grade) ,

Customer Location: North Sea Norway  
Application Date: April 2019

## Problem

Severe pitting corrosion in bottom section of internal closed drain tank, due to coating failure. Metal loss in areas measured to 6-8mm deep.



## Photograph Descriptions

- \* Picture 1. Corroded tank bottom ,
- \* Picture 2. Severe pitting corrosion ,
- \* Picture 3. gritblasted surfaces and rebuilding of pits using Belzona 1111 Supermetal ,
- \* Picture 4. Tank bottom coated with belzona 5811 Immersion grade. ,

## Application Situation

Internal repair and coating of offshore FPSO closed drain tank.

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet TCC-5. Following gritblasting, Belzona 1111 Supermetal was used to fill all pitted areas in the tank bottom. All tank bottom surfaces were then coated in Belzona 5811 Immersion Grade.

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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## Belzona Facts

As a result of local pitting corrosion and possible through wall defects had created a safety and environmental hazard. A cold applied repair solution was required as an alternative to weld repairs. The Products Belzona 1111 SuperMetal and Belzona 5811 Immersion Grade was the customers first choice.

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