

# Engine Room Corrosion Repair

ID: 9722

Industry: *Marine*  
Application: *ENC-Engines and Casings*  
Substrate: *Other*  
Products: *Belzona 5831 (ST-Barrier)*

Customer Location: *Melbourne*  
Application Date: *September 2023*

## Problem

A ferry operator experienced a problem with severe corrosion in a ferry's engine room which required immediate repairs and the application of a preventative coating to provide corrosion protection.



Engine room flooring to be repaired.



Surface preparation carried out using handheld power tools due to confined space.



Ferrie engine room proved to be a difficult application due to confined space.



Belzona 5831 coated carried out successfully.

## Application Situation

Following the repair work and surface preparation, Belzona 5831 was applied to provide long-term corrosion prevention.

Belzona 5831 also offers easy application with a brush and excellent adhesion to various materials, including the aluminium used for this vessel's construction.

Furthermore, being solvent-free, it significantly minimised health and safety risks during application in the confined space of the boat's engine room.

## Application Method

Due to the confined space of the repair area, hand held power tools were required to carry out the surface preparation. Once complete, 2 coats of Belzona 5811 was applied achieving a 500 micron film thickness.

A very successful and straight forward application overall.

## Belzona Facts

Employing a Belzona protective coating was the ideal solution for any further corrosion that may come about where by removal and

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

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rewelding in this section of the engine room was simply not viable and substantially more cost effective.

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