

# Belzona Repairs Winch Housing on a Ship

ID: 9768

Industry: *Marine*  
Application: *SOS-Ships and Offshore Structures*

Customer Location: *NSW Australia*  
Application Date: *October 2023*

Substrate: *Bronze*  
Products: *Belzona 1111 (Super Metal), Belzona 5831 (ST-Barrier)*

## Problem

*The base of winch housing was suffering from corrosion, raising concerns sea water would contact critical electrical equipment below.*



Winch housing in question



Surface preparation prior to the application of Belzona system



Surface rebuilt with Belzona 1111 (Super Metal)



The rebuilt surface was overcoated with Belzona 5831 (ST-Barrier)

## Application Situation

Base of winch housing needed to be rebuilt and coated as there were concerns that sea water will reach critical electrical equipment below.

## Application Method

Abrasive blasting was not an option for this repair. Belzona 1111 (Super Metal) and Belzona 5831 (ST-Barrier) were recommended with a minimum required surface preparation of SSPC-SP11.

## Belzona Facts

This application was completed onsite by ship contractors in three days, enabling a quick return to service.

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