

# Ship Deck Got The Belzona Plate Bonding Treatment

ID: 9782

**Industry:** Marine  
**Application:** FPA-Floor Problem Areas  
**Substrate:** Carbon steel  
**Products:** Belzona 1111 (Super Metal), Belzona 5811 (Immersion Grade)

**Customer Location:** Hamilton, Ontario

**Application Date:** March 2025

## Problem

Deck floor was experiencing deterioration around mess room top. With critical connections around the area, welding would be too much of a risk. Consultant contacted us and we suggested plate bonding to reinforce the area and protect from further damage.



Deck area after abrasive blasting.



Plate after abrasive blasting.



Both side by side.



Area after bonding.

## Application Situation

Belzona was chosen as the preferred option not only because it was safer and time efficient to apply but also gives extra protection to the area.

## Application Method

Area to be repaired and plate to be bonded were both grit blasted to SSPC SP10 level of cleanliness. Solvent wiping was done afterward to get rid of remaining contaminants after vacuuming. Belzona 1111 was applied separately on both area and the plate and then bonded together to give a wet on wet application. After stabilization, Belzona 5811 was applied on the area to seal the perimeter and also give extra protection.

## Belzona Facts

Belzona was safe to use without any extra PPE's and application was timely too.

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**<sup>®</sup>  
 Repair • Protect • Improve