

# Plate Heat Exchanger

ID: 9649

Industry: Marine  
Application: HEX-Heat Exchangers  
Substrate: Carbon steel  
Products: Belzona 1511 (Super HT-Metal), Belzona 1593

Customer Location: Houma, Louisiana  
Application Date: April 2024

## Problem

Corrosion due to salt water environment on end plates of plate heat exchangers.



Areas to be rebuilt/coated were checked for chlorides, chlorides were neutralized to acceptable levels, units were blasted and profile checked as per product manufactures recommendations.

Application of 1511 to fill in pitted and corroded areas prior to coating.

Application of first coat of 1593

Application of 2nd coat 1593

## Application Situation

Vessel was in dry dock and time is money as every additional day in dry dock cost the vessel owner money. The Belzona option offered a more cost and time effective solution over welding and machining.

## Application Method

Repair areas were abrasive blasted, and chlorides were checked and neutralized to acceptable levels prior application of Belzona 1511/1593 System

## Belzona Facts

Vessel was in dry dock and time is money as every additional day in dry dock cost the vessel owner money. The Belzona option offered a more cost and time effective solution over welding and machining.

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)

Copyright © Belzona International Limited 2025

  
**BELZONA**  
Repair • Protect • Improve