

# Belzona Saves Bow Thruster Tunnel from Electrolysis

ID: 10047

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

Customer Location: *Morgan City, La*  
Application Date: *September 2025*

Substrate: *Carbon steel*  
Products: *Belzona 1311 (Ceramic R-Metal), Belzona 1321 (Ceramic S-Metal), Belzona 9111 (Cleaner Degreaser)*

## Problem

*Customer had a large government ferry 1-yr old that was suffering from electrolysis in the bow thruster tunnel.*



Bow thruster tunnel suffering from pitting due to electrolysis.



Bow thruster tunnel blasted to required SSPC-SP10.



Belzona 1311 used to fill all pitting in tunnel.



Job completed after 2nd coat of Belzona 1321 coating.

## Application Situation

Customer called up with rush job after realizing the extent of pitting in bow thruster tunnel caused from electrolysis. The ferry was set to be back in the water within 48hrs. Belzona came in with the repair and coat the next day allowing for required time to cure before ferry was launched back into the water.

## Application Method

Tunnel was blasted to SSPC-SP10 requirements. Tunnel was then cleaned with Belzona 9111 and allowed to dry. Belzona 1311 was then hand applied with applicators and short bristle brushes to fill in all pitting. Belzona 1321 1st coat was applied gray and then followed by 2nd coat of blue.

## Belzona Facts

Customer was on a 48hr deadline and needed a quick but reliable repair and coating that would protect from electrolysis and wear and tear for many years to come.

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FS 695214  
ISO 14001:2015  
EMS 695213

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