

# BELZONA 2141 PROTECTS SHIPS RUDDER AGAINST CAVITATION

ID: 2160

Industry: Marine  
Application: SOS-Ships and Offshore Structures

Customer Location: Military Sealift Command, USA  
Application Date: 2004

Substrate: Carbon Steel  
Products: \* Belzona® 2141 (ACR-Fluid Elastomer),

## Problem

*Cavitation erosion occurring on lower section of the rudder.*



## Photograph Descriptions

- \* The ship at sea ,
- \* Surface preparation ,
- \* After the application of Belzona 2141 ,
- \* Another view of the rudder after the application of Belzona 2141 ,

## Application Situation

Rudder on American Marines ship.

## Application Method

Application was carried out in accordance with Belzona System Leaflet SOS-2.

## Belzona Facts

The Belzona coating 2141 was successfully tested in the ARL Penn State cavitation channel and is now registered in specifications for rudder protection. Belzona 1341 has been included as the first coat in the latest specifications as it has been shown to enhance the cathodic disbondment resistance of the system.

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