

# HIGH SPEED PATROL BOAT STABILIZED WITH BELZONA

ID: 344

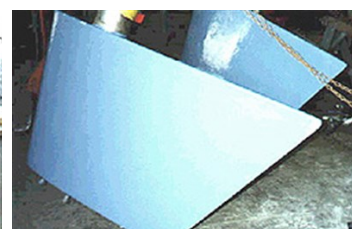
Industry: Marine  
Application: SOS-Ships and Offshore Structures

Customer Location: United States Navy  
Application Date: 1997

Substrate: Aluminum  
Products: \* Belzona® 1311 (Ceramic R-Metal) ,  
\* Belzona® 1341 (Supermetalgilde) ,

## Problem

*Much like a rudder, cavitation damage will manifest itself on the areas of greatest pressure differential. In this case, entrained solids and cavitation caused metal damage to the trailing edge of the patrol boat's two stabilizers.*



## Photograph Descriptions

- \* High speed patrol vessel ,
- \* Cavitation damage to stabilizer trailing edge ,
- \* Rebuilding cavitation damage ,
- \* Both stabilizers completely rebuilt and coated ,

## Application Situation

Stabilizer from a MK-5 High Speed Patrol Boat.

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflets SOS-1 and SOS-2.

## Belzona Facts

You can TIG/MIG weld aluminum, however this process is both expensive and time consuming. In addition, you risk introducing dissimilar metals during this uncontrolled heat treatment process. This particular vessel is on a constant state of readiness and the dock time is limited to an as needed basis.

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

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