

Belzona Repairs and Protects Bow Thruster

ID: 7744

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

Customer Location: *Shipyards, Yalova, Turkey*
Application Date: *March 2018*

Substrate: *Cast Steel*
Products: ** Belzona 1111 (Super Metal) ,*
** Belzona 1321 (Ceramic S-Metal) ,*

Problem

The bow thruster body was showing severe erosion and corrosion damage due to the marine environment.



Photograph Descriptions

- * 1- Severe damage clearly visible on bow thruster body. ,
- * 2- Close-up view after successful grit blasting. ,
- * 3- Repair of damaged surface with Belzona 1111 (Super Metal). ,
- * 4- Coating of the surface with Belzona 1321 (Ceramic S-Metal). ,

Application Situation

Bow thruster body of a container ship. A bow thruster of a ship is added to make it more maneuverable.

Application Method

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

Belzona Facts

Ship was scheduled to leave the dry dock within 2 days. Immediately following surface preparation, Belzona 1111 (Super Metal) was applied to repair the pitted surface. A great advantage of Belzona 1321 (Ceramic S-Metal) is that it can be applied within a few hours on top of Belzona 1111 (Super Metal), without the need for further surface preparation. The work was completed within 5 hours. Belzona 1321 (Ceramic S-Metal) has a relatively short curing time until it is suitable for immersion, giving an added advantage, as it allowed a quick return to service.

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


BELZONA[®]
Repair • Protect • Improve