

BOW THRUSTER TUNNELS REPAIRED AND PROTECTED WITH BELZONA

ID: 8390

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

Customer Location: *Shipyard, TURKEY*
Application Date: *October 2020*

Substrate: *Steel*
Products: ** Belzona 1311 (Ceramic R-Metal) ,*
** Belzona 1321 (Ceramic S-Metal) ,*

Problem

Bow thruster tunnels surface has been damaged and metal loss occurred due to high cavitation environment of propeller projection area.



Photograph Descriptions

- * 1. Bow Thruster Tunnels ,
- * 2. Application of Belzona 1311 for Repairs ,
- * 3. Application of Belzona 1321 Coating ,
- * 4. Cured Belzona 1321 Sponge Tested ,

Application Situation

Bow Thruster Tunnels of Ro-Ro Vessel

Application Method

Application was carried out in accordance with Belzona Know-How System Leaflets SOS-01 and SOS-02. Application surface was prepared with SA2½ grit blasting by shipyard. Then the surface has been cleaned. Belzona 1311 was used to repair severely damaged surface. Belzona 1321 was applied on the propeller projection area to provide protection for future erosion-corrosion damages.

Belzona Facts

Repairing damaged surfaces with Belzona is faster and cheaper than traditional methods. Belzona coating offers durable protection against seawater erosion/corrosion and cavitation environment. Belzona coatings extend the working life of the bow thruster tunnels.

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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