

BELZONA PROTECTS FAST FERRY BOW THRUSTERS FROM CAVITATION

ID: 900

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

Customer Location: *Scandinavian Fast Ferry operator*
 Application Date: *January 2002*

Substrate: *Aluminum*
 Products: ** Belzona® 1111 (Super Metal) Belzona® 2141 (ACR-Fluid Elastomer),*

Problem

Cavitation problems had manifested themselves in the Port and Starboard Bow Thruster Tunnels. Annual repairs had been attempted with glass flake coatings and Belzona® 1341, but none had been ideal allowing metal loss to continue in the tunnel.



Photograph Descriptions

* Localized damage to Belzona® 1341 (Port) Extensive damage to Glass Flake lining (Starboard) Belzona® 2141 (Portside)
 Inspection after 5 years service ,

Application Situation

Bow Thrusters from a 900 Passenger High Speed Service Ferry capable of 38 knots.

Application Method

Following removal of the existing coatings Belzona® 2141 was applied in accordance with a modified version of SOS-1 and SOS-2.

Belzona Facts

Subsequent annual inspections have shown the Belzona® 2141 to provide outstanding cavitation protection. After nine (9) years in service the Belzona 2141 remains in excellent condition apart from a few mm² of mechanical damage. The client is extremely pleased with the application which has allowed them to extend the annual docking cycle to a bi-annual one

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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 9000 Registered Quality
 Management System.

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