

BELZONA PROTECTS FAST FERRY BOW THRUSTERS FROM CAVITATION

CUSTOMER

Scandinavian Fast Ferry operator

APPLICATION DATE

January 2002

APPLICATION SITUATION

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

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.

PRODUCTS

Belzona® 1111 (Super Metal)

Belzona® 2141 (ACR-Fluid Elastomer)

SUBSTRATE

Aluminum

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, most recently in 2007, have shown the Belzona® 2141 to provide outstanding cavitation protection reducing the annual docking cycle from annual to bi-annual for the client. The client is intending to coat the other non-Belzona protected areas as a result.

PICTURES

1. Localized damage to Belzona® 1341 (Port)
2. Extensive damage to Glass Flake lining (Starboard)
3. Belzona® 2141 (Portside)
4. Inspection after 5 years service



For more examples of *Belzona Know-How In Action*, please visit <http://khia.belzona.com>



Belzona products are manufactured under an ISO 9000 Registered Quality Management System.

UK • USA • Canada • China
www.belzona.com

