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# TECHNICAL REPORT

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## DALSEIDE SHIPPING SERVICES AS

VERIFICATION OF ADHESION TESTS

REPORT No. BGN-R3102384

REVISION No. 01

DET NORSKE VERITAS

# TECHNICAL REPORT

Date of first issue: 2002-10-15	Project No.: 74531043	DET NORSKE VERITAS AS  <i>Materials Tech. and Condition Management</i>  Johan Berentsens vei 109-111, P.O. Box 7400, N-5020 Bergen, Norway Tel: +47 55 94 36 00 Fax: +47 55 94 36 02 http://www.dnv.com Org. No: NO 945 748 931 MVA
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Client: Dalseide Shipping Services AS	Client ref.: Kristian Dalseide	

**Summary:**

Det Norske Veritas, Section for Materials Technology and Condition Management in Bergen, has verified adhesion strength measurements (performed by P.A.T. adhesion test equipment) on a coating system applied on a surface cleaned by means of Rustibus descaling equipment.

The following results were achieved:

Coating	Total film thickness	Adhesion strength	Nature of failure
Carbo Zinc 858	75 µm	3.0 MPa	80 % A, 20 % C
Carbo Zinc 858 + Carbomastic 15LT	580 µm	10.0 MPa	70 % A, 30 % C
Carbo Zinc 858 + Carbomastic 15LT + Carbomastic 2000 WG	750 µm / 780 µm	10.0 / 8.2 MPa	85 % A, 15 % C / 80 % A, 20 % C

**A= Cohesive fracture in one of the coating layers, C = Fracture between glue and top coat**

The tests showed no adhesion failure between the descaled surface and the coating

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**Indexing terms**

Coatings  
Tests  
Corrosion

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