
TECHNICAL REPORT

INTERNATIONAL MALING AS

ADHESION TESTS

REPORT No. BGN-R

REVISION No. 01

DET NORSKE VERITAS

TECHNICAL REPORT

Date of first issue: 2002-12-02	Project No.: 74527047	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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<p>Summarv:</p> <p>Det Norske Veritas, Section for Materials Technology and Condition Management in Bergen, has carried out adhesion strength tests (performed by P.A.T. adhesion test equipment) on a coating system applied on a surface cleaned by means of "Safe Tool".</p> <p>The tests showed no adhesion failure between the substrate and the coating</p> <p>The results from the test are given in table 1 in the report.</p>		

Report No.: BGN-R3102384	Subject Group: E7	
Report title: Verification of adhesion tests		
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Work verified by: Øystein Sæther		
Date of this revision: 2002-10-15	Rev. No.: 01	Number of pages: 1

Indexing terms

Coatings
Tests
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Table 1 Test results

Coating system	Panel no	Test no	Adhesion strength / Type of fracture	Measured dry film thickness (μm)*
75 μm Intercure 202	1	1	10.0 MPa 90 % B, 5% D, 5 % -/Y	330 - 430
		2	7.8 MPa 45 % B, 5% D, 50 % -/Y	
200 μm Intergard 475 HS	2	1	9.0 MPa 90 % B, 5% D, 5 % -/Y	340 - 430
		2	9.5 MPa 90 % B, 10% D	
100 μm Interfine 979	3	1	7.8 MPa 20 % 80 % -/Y	340 - 360
		2	8.6 MPa 50 % B, 5% D, 45 % -/Y	
75 μm Interzinc 52	10	1	6.0 MPa 70 % B, 10 % D, 20 % -/Y	300 - 400
		2	7.8 MPa 85 % B, 10 % D, 5 % -/Y	
200 μm Intergard 475 HS	11	1	7.0 MPa 80 % B, 5% D, 15 % -/Y	300-370
		2	6.7 MPa 10 % B, 5% D, 85 % -/Y	
100 μm Interfine 979	12	1	6.0 MPa 80 % B, 10 % D, 10 % -/Y	320 - 400
		2	7.8 MPa 85 % B, 10 % D, 5 % -/Y	

* The dry film thickness was measured by means of a PosiTector 6000 dry film thickness meter

- A Substrate
- A/B Fracture between substrate and first coat
- B Fracture in first coat
- B/C Fracture between first and second coat
- C Fracture in second coat
- C/D Fracture between second and third coat
- D Fracture in third coat
- /Y Fracture between the outer coat and the glue