

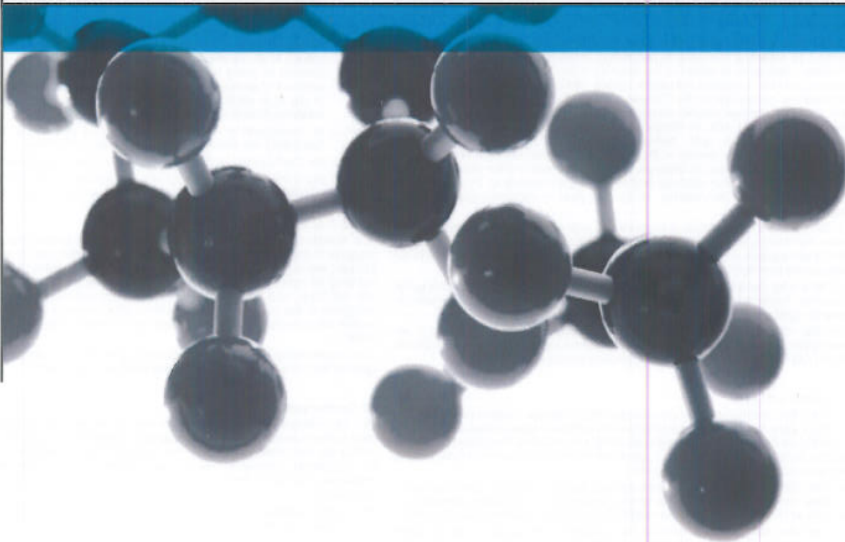
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## Test Certificate

# Testing of a Coating System in Accordance With ASTM B117:2009 and ASTM D4585:2007



**Corrosion testing of a coating system in  
accordance with ASTM B117:2009 and ASTM  
D4585:2007.**

A Report To: DYO A.S

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**Page** 1

**Testing  
Advising  
Assuring**

Registered Office: Exova (UK) Ltd, Lochend Industrial Estate, Newbridge, Midlothian EH28 8PL United Kingdom. Reg No. SC 70429

This report is issued in accordance with our terms and conditions, a copy of which is available on request.

The contents of this report are governed by the terms and conditions overleaf.

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# Revision History

Issue No : 2	Re - Issue Date : 17/11/2011
Revised By: Christopher Newton	Approved By: Daniel Fielding
Reason for Revision: Correction of paint names	

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**1.0 INTRODUCTION**

- 1.1. At the request of DYO A.S, Exova Coatings was instructed to carry out salt-spray and humidity exposure testing on a coating system.
- 1.2. Exova Coatings has tested the items supplied by DYO A.S, as sampled in accordance with the client's own requirements.
- 1.3. The purpose of the testing was to evaluate the corrosion resistance of the various products.

**2.0 TEST COMPONENT**

- 2.1. Four coated test panels (100 X 150 mm) were received by the Laboratory.
- 2.2. The applied coating system was as follows:

Primer: R72 DYOPOX MIDCOAT-T  
 Intermediate coat: R71 DYOPOX MIDCOAT-71  
 Topcoat: C71 DYOPOL HS TOPCOAT-71 RAL9010

**3.0 TEST METHOD**

- 3.1. Testing was carried out in accordance with ASTM B117:2009 and ASTM D4585:2007. Dry film thickness measurements were carried out in accordance with BS EN ISO 2808:2007.

**4.0 TEST EQUIPMENT**

- 4.1. C&W SF1000 corrosion chamber, Serial no. 98397.
- 4.2. QUV cabinet, Serial no. 83-1702-24.

**5.0 TEST CONDITIONS**

- 5.1 Salt Spray:-  
 Salt concentration: 5 +/- 1 parts by mass  
 pH of salt solution: Maintained within specification of 6.5-7.2  
 Quantity of fog: 1-2ml/hour  
 Cabinet temperature: 35 +/- 2°C  
 Test duration: 1440 hours
- 5.2 Humidity:-  
 Cabinet temperature: 40 +/- 2°C  
 Test duration: 720 hours

**6.0 TEST RESULTS****6.1 Salt spray:**

Sample	Average DFT	Chalking	Rusting	Blistering
1	257	0	0	0
2	231	0	0	0

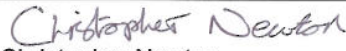
**6.2 Humidity:**

Sample	Average DFT	Chalking	Rusting	Blistering
3	214	0	0	0
4	237	0	0	0

The results contained within this report have been reported in an abbreviated format. The test data and result sheets containing more detailed information in accordance with the technical works procedures or standards used are held at Exova as part of the accredited quality assurance system. Opinions and interpretations expressed herein are outside the scope of the UKAS accreditation of this laboratory.

--- END OF TEXT ---

# Report Signatories and Approval

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