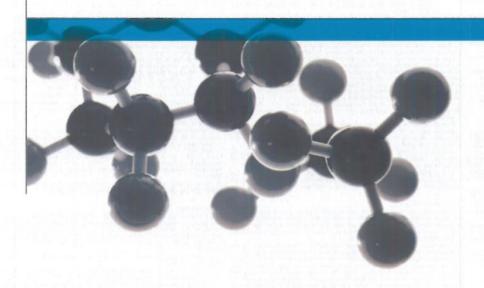
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Test Certificate

Saltspray Testing of Coating System in Accordance With ASTM B117:2009



Neutral saltspray testing of a coating system in accordance with ASTM B117:2009

A Report To: Kartallar Boya ve Kimya

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1.0 INTRODUCTION

- 1.1. At the request of Kartallar Boya ve Kimya, Exova Coatings was instructed to carry out salt-spray exposure testing on a coating system.
- 1.2. Exova Coatings has tested the items supplied by Kartallar Boya ve Kimya, 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. Five coated test panels (100 X 150 mm) were received by the Laboratory.
- 2.2. The applied coating system was as follows:

Primer: Karpox Zinc 80 / Product code: 03015

Intermediate coat: Karbuild Barrier / Product code: 03021 Topcoat: Karacryl Duralack / Product code: 03036

3.0 TEST METHOD

- 3.1. Testing was carried out in accordance with ASTM B117:2009. Dry film thickness measurements were carried out in accordance with BS EN ISO 2808:2007.
- 3.2. Four samples were exposed to saltspray conditions; with two being removed from test at 300 hours duration, and the remaining two removed upon completion of 500 hours. One panel was kept as a reference sample (unexposed).
- 3.3. The panels did not have a scribe applied to the coating prior to exposure.

4.0 TEST EQUIPMENT

- 4.1. C&W SF1000 corrosion chamber (serial no: 98397).
- 4.2. Elcometer 456 film thickness gauge (serial no: 25027/2).

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: 500 hours

6.0 TEST RESULTS

6.1 Salt spray:

Sample		DFT			Chalking	Pueting	Plietoring
		Min	Max	Ave	Chalking	Rusting	Blistering
1	300hrs	204	239	224	0	0	0
2	300hrs	215	261	238	0	0	0
3	500hrs	171	243	210	0	0	0
4	500hrs	183	260	223	0	0	0
5	Reference	161	238	199	-	-	-

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.

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Client:

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Report Signatories and Approval

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