

TÜV Rheinland Malaysia Sdn. Bhd.



Test Report

according to:

Customer Specific Requirement

and

ASTM B 117

Standard Practice for Operating Salt Spray (fog)

Apparatus

for:

Coating Panel Plate

TÜV Rheinland Malaysia Sdn. Bhd.
No.27, Jalan Para U8/103
Metropolitan Business Park
Seksyen U8, Bukit Jelutong
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1. Applicant Details and Scope of Application

Applicant : **Ominent Sdn Bhd**
6, Metropolitan Business Park, Jalan Para U8/103 Bukit Jelutong, 40150 Shah Alam, Selangor, Malaysia.

Applicants Representative : **Mr. Keong Chun Chieh**

Order Number : **1078 (Date: 20.12.2017)**

Confirmation Order Number : **1173008187**

Locations of System evaluation : **TUV RHEINLAND MALAYSIA SDN. BHD.**
No.27, Jalan Para U8/103, Metropolitan Business Park, Seksyen U8, Bukit Jelutong, 40150 Shah Alam, Selangor, Malaysia.

Scope of Application : **Salt Spray Test**

Test Sample : **Coating Panel Plate**

Part Identification : **Ecocoat Marine**

Delivery Condition : **Samples tested as received**

Test Sample Receiving Date : **02/04/2018**

Date of Inspection : **From 05/04/2018 To 26/04/2018**

Standards Applied : **1. Customer Specific Requirement (Quotation number 722009515)**
2. ASTM B117 Rev.- (2011)

Environment Temperature / Room Temperature : **23 ± 2°C , 50 ± 5%RH**

Tester / Evaluator : **Nor Ilmi B Hj. Ibrahim**


Participants during testing : **Not Applicable**

Communication Language : **English**

Reported by:

Reviewed by:

27/04/2018
Date


NOR ILMI B HJ IBRAHIM
PROJECT ENGINEER
MOBILITY


MOHD SYAFIQ B HJ MOHD AYOB
ENGINEERING MANAGER
MOBILITY

2. Testing Description

No.	Testing Scope	Testing Description
1	Salt Spray Test	1. Test requirement is according to Customer Specific Requirement. 2. Test method is according to ASTM B117 standard.

3. Testing Objectives, Basis and Scope of Assessment

No.	Testing Scope	Testing Objective, Basis and Scope of Assessment
1	Salt Spray Test	To inspect and report if red rust appear after test complete.

4. Testing Procedure

No.	Testing Scope	Testing Procedure
1	Salt Spray Test	1. The test was conducted according to parameters below: <ul style="list-style-type: none"> i. Conc. of NaCl (W/V) : 5 % ii. Water Tank Temperature : 35 ± 1.0 °C iii. Compressed Air : 1.0 kg/cm iv. Air Saturation Temperature : 48 ± 1.0 °C v. Test Chamber Temperature : 35 ± 1.0 °C vi. Duration : 500 hours 2. The evaluation was performed by inspecting the appearance of the test sample in term of red rust availability.

5. Testing Evaluations

No.	Testing Scope	Evaluation	
		Sample	After 500 Hours
1	Salt Spray Test	Sample 1	No red rust detected
		Sample 2	No red rust detected
		Sample 3	No red rust detected

Abbreviation:

ND denotes rust Not Detected
 WR denotes White Rust detected
 RR denotes Red Rust detected

6. Testing Summary

No.	Testing Scope	Result
1	Salt Spray Test	Reported

7. Statement of Conformity

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The results of analysis performed by TUV Rheinland Malaysia Sdn. Bhd. apply to the particular samples at the time of its analysis. They do not indicate or imply that TUV Rheinland Malaysia Sdn. Bhd. approves, recommended or endorses the manufacturers or suppliers or users of products and it shall not be used to imply product certification.

TUV Rheinland Malaysia is listed in the group certification of TÜV Rheinland Kraftfahrt GmbH as competent according to DIN EN ISO / IEC 17025. DAR-Registration-No.: KBA-P00010-96.



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8. Appendix: Photographic Documentation

APPENDIX 1: TEST SAMPLE

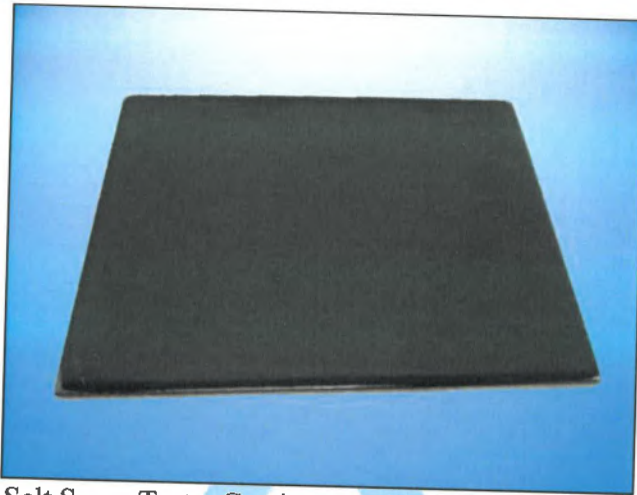


Photo 1: Before Salt Spray Test – Coating Panel Plate – Ecocoat Marine (Sample 1)

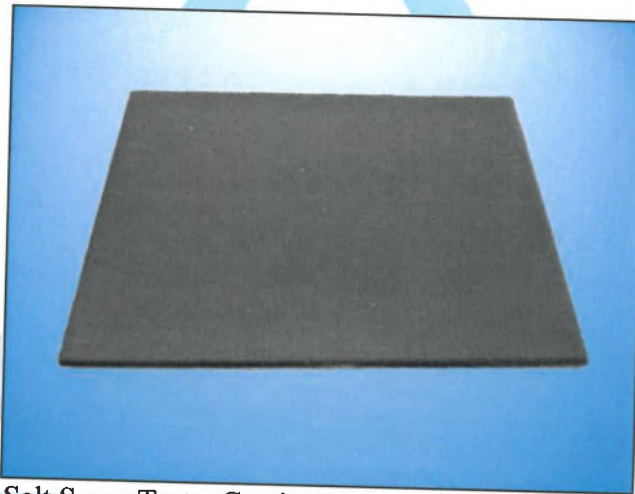


Photo 2: Before Salt Spray Test – Coating Panel Plate – Ecocoat Marine (Sample 2)

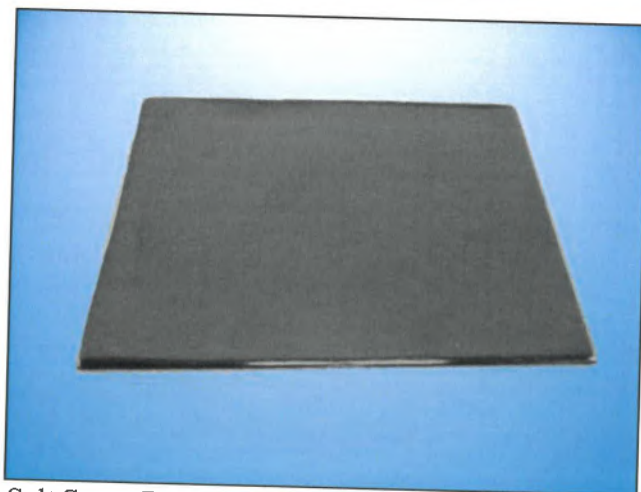


Photo 3: Before Salt Spray Test – Coating Panel Plate – Ecocoat Marine (Sample 3)

APPENDIX 2: SALT SPRAY TEST

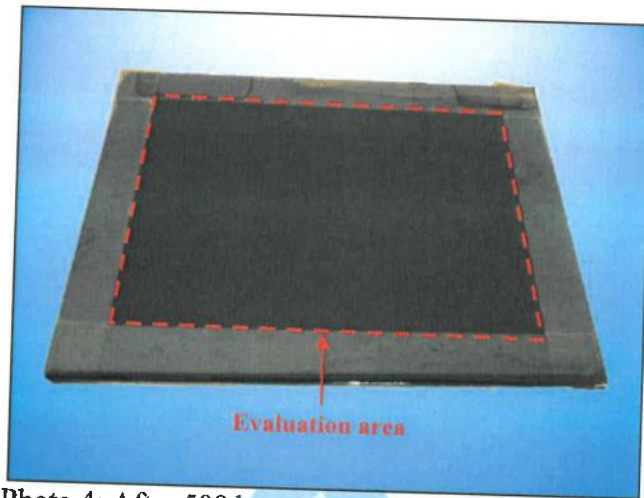


Photo 4: After 500 hours Salt Spray Test – Sample 1

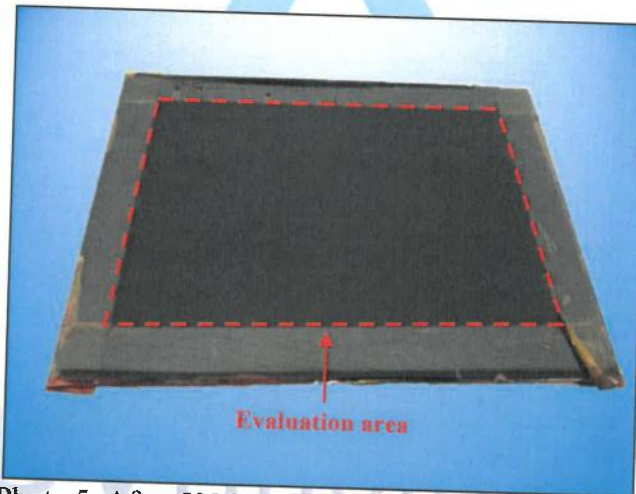


Photo 5: After 500 hours Salt Spray Test – Sample 2

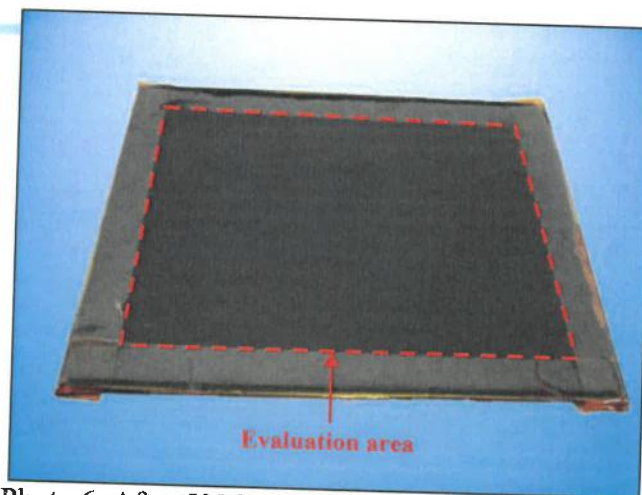


Photo 6: After 500 hours Salt Spray Test – Sample 3

9. List of Test Measurement / Equipment

No.	Test Measurement / Equipment	Serial / Inventory Number	Next Calibration
1	Corrosion Test Machine	812761094	May 2018



--- End of Report ---

