

TÜV Rheinland Malaysia Sdn. Bhd.



Test Report

according to:

Customer Specific Requirement

(ACID & ALKALI RESISTANCE)

for:

IGL Coatings Ecocoat Series

TÜV Rheinland Malaysia Sdn. Bhd.
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1. Applicant Details and Scope of Application

Applicant : **Ominent Sdn. Bhd.**
12, Jalan Saudagar Satu, U1/16A, Hicom Glenmarie Industrial Park, 40150, Shah Alam, Selangor Darul Ehsan, Malaysia.

Applicants Representative : **Mr Keong Chun Chieh**

Order Number : **Sign back quotation number 922007907 (Date: 08.06.2016)**

Confirmation Order Number : **117300524**

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 : **ACID AND ALKALI RESISTANCE**

Test Sample : **IGL Coatings Ecocoat Series**

Test Sample Receiving Date : **10/06/2016**

Date of Inspection : From **14/06/2016** To **28/06/2016**

Standards Applied : **Customer Specific Requirement (JIS K5400 (1990) – Acid & Alkali) (Quotation number 922007907)**

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

Participants during testing : **Not Applicable**

Communication Language : **English**

Reported by:

Reviewed by:

28/06/2016
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	JIS K5400 (1990) – Acid & Alkali	1. Test method is according to Customer Specific Requirement. 2. Test requirement is according to Customer Specific Requirement.

3. Testing Objectives, Basis and Scope of Assessment

No.	Testing Scope	Testing Objective, Basis and Scope of Assessment
1	JIS K5400 (1990) – Acid and Alkali	1. To test the acid and alkali resistance of the coating. 2. This test method covers a procedure for determination of film resistance of an organic coating on a substrate towards acid and alkali.

4. Testing Procedure

No.	Testing Scope	Testing Procedure
1	JIS K5400 (1990) – Acid and Alkali	1. Acid Test Reagent/Temperature/Time : 5% H ₂ SO ₄ / 23° C / 24 hours 2. Alkali Test Reagent/Temperature/Time : 5% Na ₂ CO ₃ / 23° C / 24 hours

5. Testing Evaluations

No.	Testing Scope	Testing Evaluation
1	JIS K5400 (1990) – Acid and Alkali	1. According to the specified scope and analytical techniques the acid resistance of the coating of the submitted sample are as per the results.

6. Testing Summary

No.	Testing Scope	Result
1	JIS K5400 (1990) – Acid and Alkali	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.



8. Appendix: Photographic Documentation

APPENDIX 1: TEST SAMPLE



Photo 1: Test sample - IGL Coatings Ecocoat Series



Photo 2: Test sample plate

APPENDIX 2 : TEST RESULTS

SAMPLE	EVALUATION	JUDGEMENT
KENZO BASE	NO VISIBLE DAMAGE BY VISUAL CHECKING	REPORTED
QUARTZ	NO VISIBLE DAMAGE BY VISUAL CHECKING	REPORTED
POLY	NO VISIBLE DAMAGE BY VISUAL CHECKING	REPORTED
TRIM	NO VISIBLE DAMAGE BY VISUAL CHECKING	REPORTED
WHEEL	NO VISIBLE DAMAGE BY VISUAL CHECKING	REPORTED
HEADLIGHT	NO VISIBLE DAMAGE BY VISUAL CHECKING	REPORTED



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9. List of Test Measurement / Equipment

No.	Test Measurement / Equipment	Serial / Inventory Number	Next Calibration
1	-	-	-



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