

TÜV Rheinland Malaysia Sdn. Bhd.



## Test Report

according to:

**Customer Specific Requirement**

and

**ASTM D 3363-05**

**Standard Test Method for**

**Film Hardness by Pencil Test**

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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## Table of contents

1. Applicant Details and Scope of Assessment
2. Testing Description
3. Testing Objectives, basis and scope of Application
4. Testing Procedure
5. Testing Evaluations
6. Testing Summary
7. Statement of Conformity
8. Appendix : Photographic Documentation
9. List of Test Measurement / Equipment

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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 : **Pencil Hardness Test**

Test Sample : **Coating Panel Plate**

Part Identification : **Ecocoat Eclipse**

Delivery Condition : **Samples tested as received**

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

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

Standards Applied : **1. Customer Specific Requirement (Quotation number 722009515)**  
**2. ASTM D3363-05 (Reapproved 2011)**

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

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

Participants during testing : **Not Applicable**

Communication Language : **English**

Reported by:

Reviewed by:

06/04/2018  
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	Pencil Hardness Test	1. Test method is according to ASTM D3363-05 standard. 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	Pencil Hardness Test	To report the result.

## 4. Testing Procedure

No.	Testing Scope	Testing Procedure
1	Pencil Hardness Test	1. The test was conducted by referring to test parameters below: <ol style="list-style-type: none"> <li>i. Test condition : Room temperature</li> <li>ii. Pencil grade : H to 10H</li> </ol> 2. The evaluation was carried out by visually inspecting the test sample surface in term of scratch.

## 5. Testing Evaluations

No.	Testing Scope	Evaluation	
1	Pencil Hardness Test	Sample 1	No scratch detected until pencil hardness grade 10H
		Sample 2	No scratch detected until pencil hardness grade 10H
		Sample 3	No scratch detected until pencil hardness grade 10H

## 6. Testing Summary

No.	Testing Scope	Result
1	Pencil Hardness 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.



## 8. Appendix: Photographic Documentation

### APPENDIX 1: TEST SAMPLE

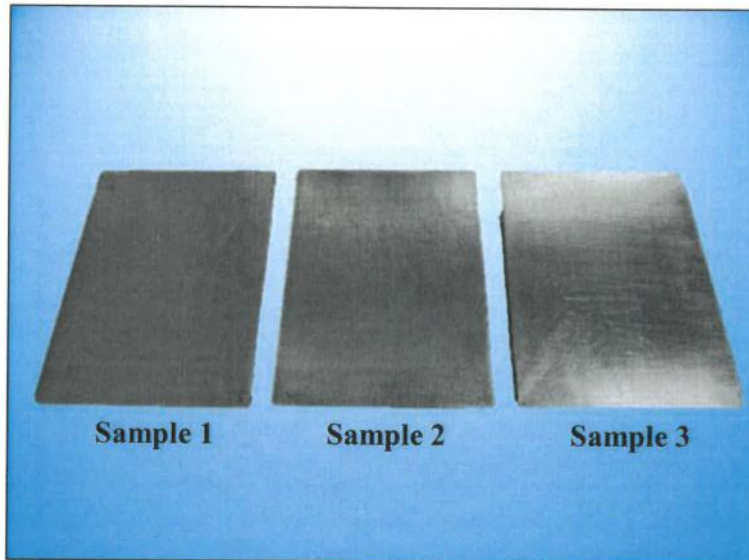


Photo 1: Test sample – Coating Panel Plate (Ecocoat Eclipse)

  
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**APPENDIX 2: PENCIL HARDNESS**

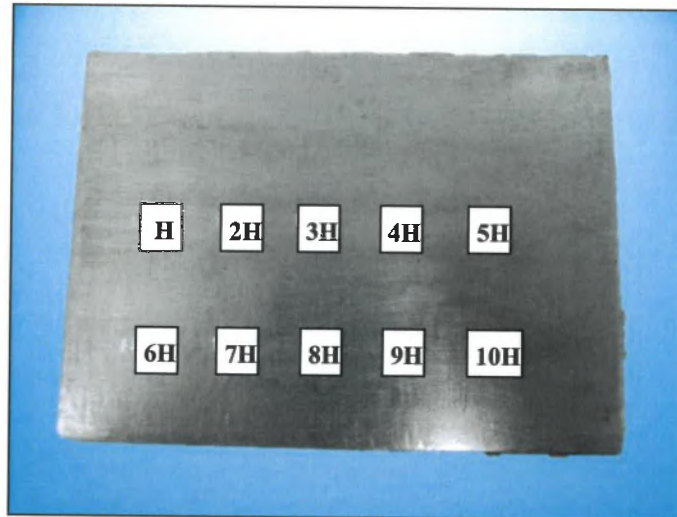


Photo 2: Test sample after test – Sample 1

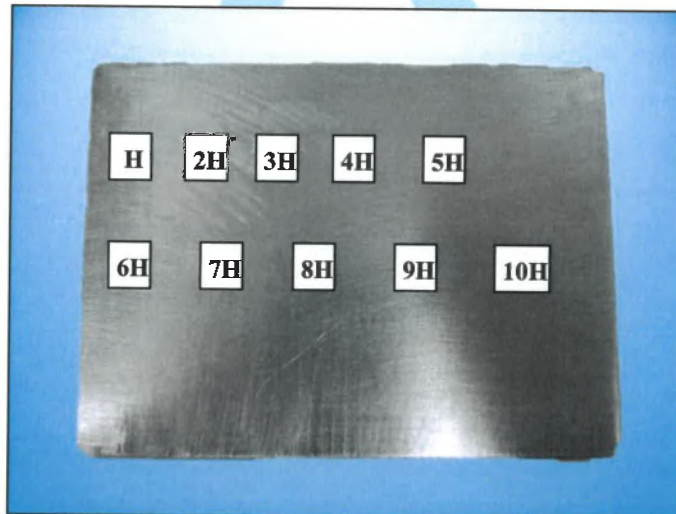


Photo 3: Test sample after test – Sample 2

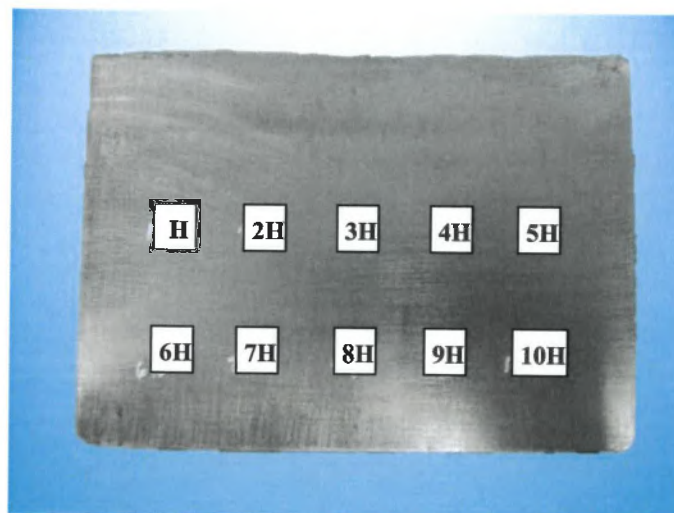


Photo 4: Test sample after test – Sample 3



### 9. List of Test Measurement / Equipment

No.	Test Measurement / Equipment	Serial / Inventory Number	Next Calibration
1	Mitsu-Bishi Pencil	Hi-Uni	Not Applicable



--- End of Report ---

