

Mechanical & Hardgoods Laboratory

Report No.: HL60131C/2016

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Date: AUG. 23, 2016

LifeProof

1017 RR 620 South, Suite 100, Austin, Texas 78734 USA

The following merchandise was submitted and identified by the applicant as:

Product Description: LifeProof Paint Coating

Style/Item No.: **Ceramic Coating**

Manufacturer/Vendor: LifeProof

Country of Origin: US

We have tested the submitted sample(s) as requested and the following results were obtained:

1. Hardness by pencil Test Requested:

2. Alkali resistance

3. Salt solution resistance

<u>Test Method and Result:</u> --- See following sheet(s) ---

Date of Receipt: Jun. 07, 2016

Testing Period: Jun. 07, 2016 ~ Jun. 22, 2016

> Signed for and on SĞS Taiwan Ltd.

Jackson Chen Team Leader

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SGS Taiwan Ltd.

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1. Hardness by pencil

Test Method:

Refer to JIS K5400(1990) Testing Methods for paints

(Gouge Hardness and Scratch Hardness)

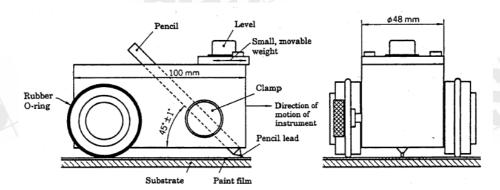
Weight: 1000 g

The variety of pencil hardness:

6B - 5B - 4B - 3B - 2B - B - HB - F - H - 2H - 3H - 4H - 5H - 6 H - 7H - 8H - 9H

Test Equipment:

Name	Brand	Model
Pencil	MITSU-BISHI	uni



Lab Environmental Conditions:

Ambient temperature:

 (23 ± 2) °C

Relative humidity:

 $(65 \pm 5) \% RH$

Test Results:

Sample	Result
LifeProof Paint Coating	9H, No scratch.

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2. Alkali Resistance

<u>Lab Environmental Conditions</u>:

Ambient temperature: (23±2) °C Relative humidity: (65±5) %RH

Test Method:

JIS K5400(1990) Testing Methods for Paints

Test Condition:

Test Procedure: Immersion Test reagent: 5% Na₂CO₃

Test Temperature: 23 °C Test time: 24 hours

Test Result:

Sample	Test Result(s)
LifeProof Paint Coating	There is no abnormality even immersed in alkali.

3. Salt Solution Resistance

Lab Environmental Conditions:

Ambient temperature: (23±2)°C Relative humidity: (50 ± 5) %RH

Test Method:

JIS K5400 (1990) Testing Methods for Paints

Test Condition:

Test Procedure: Immersion Test reagent: 3% NaCl Test Temperature: 23°C Test time: 96 hours

Test Result:

Sample	Test Result(s)
LifeProof Paint Coating There is no abnormality, even immersed in sodium chloride solu	

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– Pictures –



Photo A: Appearance of the sample (Hardness by pencil)

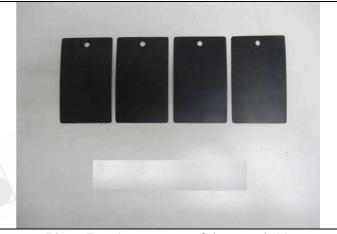


Photo B: Appearance of the sample(s) (Alkali, Acid, Salt solution resistance)

---End of Report---

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