

## **TEST REPORT**

REPORT NO.: HV-11-05153X PAGE: OF DATE: **AUGUST 23, 2011** 

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

Style/Item No.: Ceramic PRO Manufacturer/Vendor: Nanoshine LTD

Country of Origin: Taiwan

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

<u>Test Required</u>: (According to client's test specification, please see following sheets in detail.)

(1) Hardness by Pencil Test

(2) Alkali resistance

(3) Acid resistance

(4) Salt solution resistance

<u>Test Result</u>:

-PLEASE SEE ATTACHED PAGE-

Date of Receive: AUGUST 12, 2011

Date of Testing: AUGUST 12, 2011~ AUGUST 19, 2011

> Signed for and on behalf of SGS Taiwan Ltd.

Carlos Kao Supervisor

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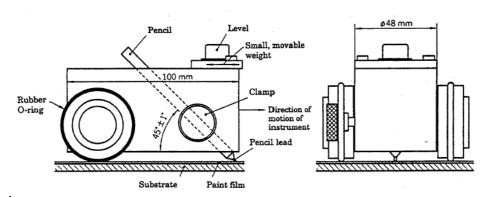
DATE:

AUGUST 23, 2011

### (1) Hardness by Pencil Test

### **Test Equipment:**

Name	Brand
Pencil	MITSU-BISHI uni



### Lab Environmental Conditions:

Ambient Temperature: 23±2°C

Relative humidity:

50±5%RH

### Test Method/ Specification:

JIS K5400(1990)

Testing Methods for Paints (Scratch Hardness)

The variety of pencil hardness:

Soft ←------→ Hard

Load:

500 g

Test Result:

Above 9H

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(2) Alkali Resistance

**Lab Environmental Conditions:** 

Ambient temperature:  $23\pm2^{\circ}$ C Relative humidity:  $50\pm5\%$  RH

Test Method:

JIS K5400(1990) Testing Methods for Paints

<u>Test conditions</u>:

Test reagent: 5% Na<sub>2</sub>CO<sub>3</sub>

Test temperature: 23 °C
Test time: 24 hour

Examine the appearance of specimen(s) by visual check

**Test Result:** 

No visible damage.

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(3)Acid Resistance

**Lab Environmental Conditions:** 

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

Test Method:

JIS K5400(1990) **Testing Methods for Paints** 

Test conditions:

Test reagent: 5% H2SO4

23 °C Test temperature: Test time: 24 hour

Examine the appearance of specimen(s) by visual check

**Test Result:** 

No visible damage.

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(4)Salt solution resistance

**Lab Environmental Conditions:** 

Ambient temperature:  $23\pm2^{\circ}C$ 

Relative humidity: 50±5%RH

Test Method:

JIS K5400(1990) Testing Methods for Paints

<u>Test conditions</u>:

Test reagent: 5% NaCl solution

Test temperature: 23 °C
Test time: 96 hour

Examine the appearance of specimen(s) by visual check

**Test Result:** 

No visible damage.

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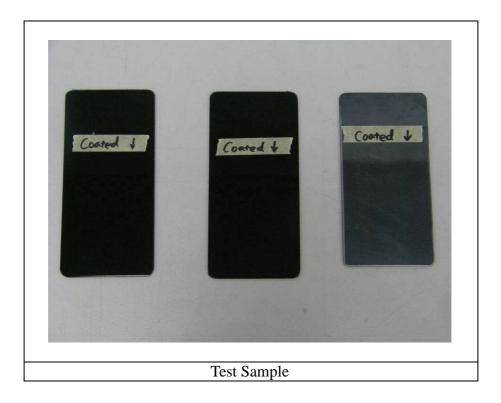
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### **Test Photo**:



- The End of Test Report -

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