

TEST REPORT

REPORT NO.: HV-11-05153X

PAGE: 1 OF 6

DATE: AUGUST 23, 2011

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

Style/Item No. : Ceramic PROManufacturer/Vendor : Nanoshine LTDCountry of Origin : Taiwan

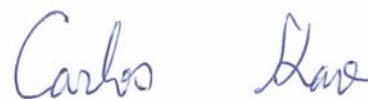
We have tested the submitted sample(s) as requested and the following results were obtained :

Test Required : (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

Test Result :

-PLEASE SEE ATTACHED PAGE-

Date of Receive : AUGUST 12, 2011Date of Testing : AUGUST 12, 2011~ AUGUST 19, 2011**Signed for and on behalf of
SGS Taiwan Ltd.****Carlos Kao
Supervisor**

TEST REPORT

REPORT NO.: HV-11-05153X

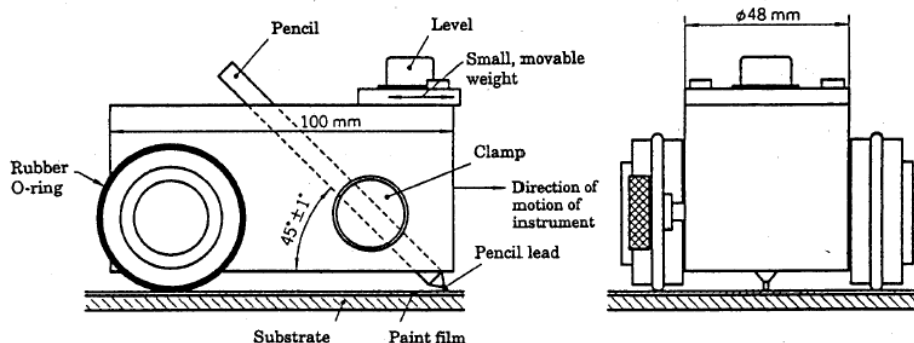
PAGE: 2 OF 6

DATE: AUGUST 23, 2011

(1) Hardness by Pencil Test

Test Equipment:

Name	Brand
Pencil	MITSU-BISHI uni



Lab Environmental Conditions:

Ambient Temperature: $23 \pm 2^\circ\text{C}$

Relative humidity: $50 \pm 5\% \text{ RH}$

Test Method/ Specification:

JIS K5400(1990) Testing Methods for Paints (Scratch Hardness)

The variety of pencil hardness:

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

Soft ←-----→ Hard

Load: 500 g

Test Result:

Above 9H

TEST REPORT

REPORT NO.: HV-11-05153X

PAGE: 3 OF 6

DATE: AUGUST 23, 2011

(2)Alkali ResistanceLab Environmental Conditions:

Ambient temperature: 23±2°C

Relative humidity: 50±5% RH

Test Method:

JIS K5400(1990) Testing Methods for Paints

Test conditions:Test reagent: 5% Na₂CO₃

Test temperature: 23 °C

Test time: 24 hour

※Examine the appearance of specimen(s) by visual check

Test Result:

No visible damage.

TEST REPORT

REPORT NO.: HV-11-05153X

PAGE: 4 OF 6

DATE: AUGUST 23, 2011

(3)Acid ResistanceLab Environmental Conditions:Ambient temperature: $23\pm 2^{\circ}\text{C}$ Relative humidity: $50\pm 5\% \text{ RH}$ Test Method:

JIS K5400(1990) Testing Methods for Paints

Test conditions:Test reagent: 5% H_2SO_4 Test temperature: 23°C

Test time: 24 hour

※Examine the appearance of specimen(s) by visual check

Test Result:

No visible damage.

TEST REPORT

REPORT NO.: HV-11-05153X

PAGE: 5 OF 6

DATE: AUGUST 23, 2011

(4)Salt solution resistanceLab Environmental Conditions:

Ambient temperature: 23±2°C

Relative humidity: 50±5% RH

Test Method:

JIS K5400(1990) Testing Methods for Paints

Test conditions:

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.

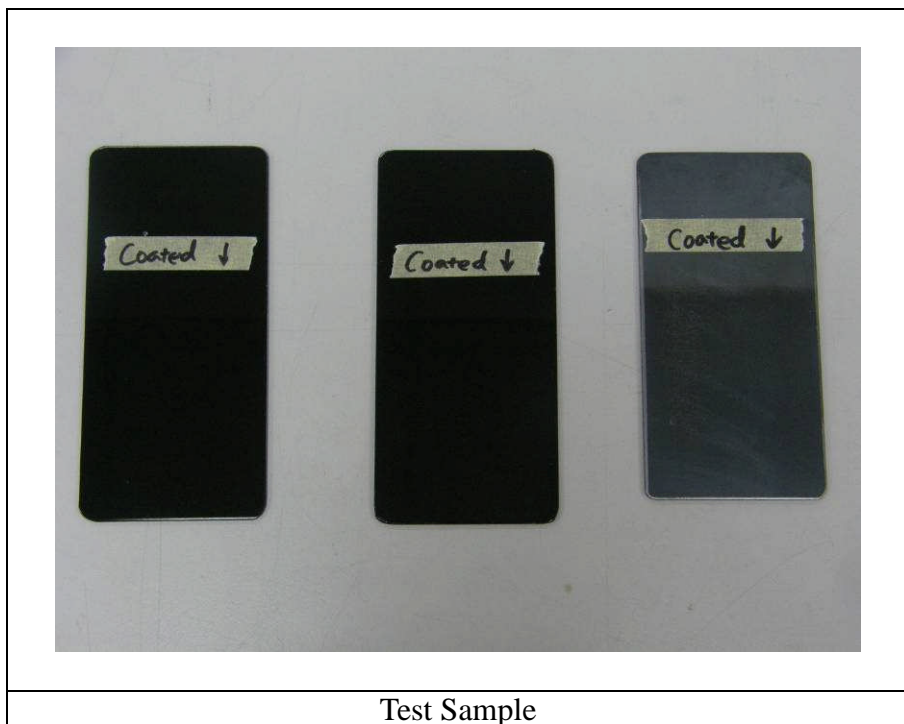
TEST REPORT

REPORT NO.: HV-11-05153X

PAGE: 6 OF 6

DATE: AUGUST 23, 2011

Test Photo:



— The End of Test Report —

TEST REPORT



Report No. : HR-15-01371X

Page : 1 OF 2

Date : July 01, 2015

NANOSHINE LIMITED

Product Description: Ceramic Pro 9H
Product Submitted By: NANOSHINE LIMITED
Date of Sample Received: June 11, 2015
Date of Testing: June 11, 2015~June 30, 2015
Remark: The information mentioned in the above section is provided by Client
(Exclude Date of Sample Received and Date of Testing)

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

Test Required : Coating Thickness Measurement

Reference Method : ASTM B487 Standard Test Method for Measurement of Metal and Oxide Coating
Thickness by Microscopical Examination of a Cross Section

Test Equipment : OLYMPUS BX-51 Optical Microscope

Test Results :

Appearance of Specimen

Test site : non-coat



-- To Next Page --

The value of required specifications are for reference only.
Conformity judgment is the Applicant's final verdict.

Signed for and on behalf of
SGS TAIWAN Ltd.

TEST REPORT



Report No. : HR-15-01370X

Page : 1 OF 2

Date : July 01, 2015

NANOSHINE LIMITED

Product Description: Ceramic Pro 9H
 Product Submitted By: NANOSHINE LIMITED
 Date of Sample Received: June 11, 2015
 Date of Testing: June 11, 2015~June 30, 2015
 Remark: The information mentioned in the above section is provided by Client
 (Exclude Date of Sample Received and Date of Testing)

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

Test Required : Coating Thickness Measurement

Reference Method : ASTM B487 Standard Test Method for Measurement of Metal and Oxide Coating
 Thickness by Microscopical Examination of a Cross Section

Test Equipment : OLYMPUS BX-51 Optical Microscope

Test Results :

Appearance of Specimen



-- To Next Page --

The value of required specifications are for reference only.

Conformity judgment is the Applicant's final verdict.

Signed for and on behalf of

SGS TAIWAN Ltd.

TEST REPORT

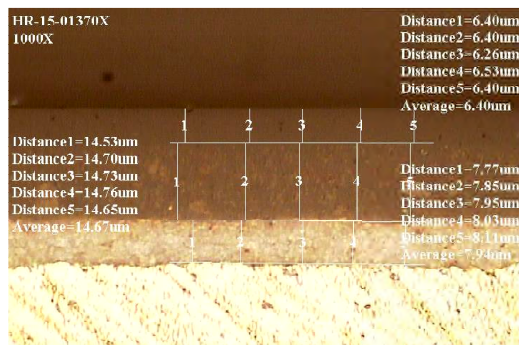
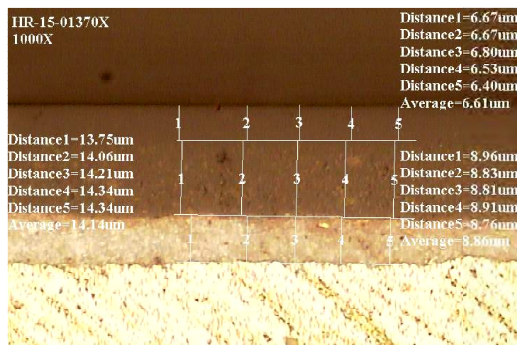


Report No. : HR-15-01370X

Page : 2 OF 2

Date : July 01, 2015

After section-polishing, the specimen was observed by OM.(Magnification 1000X)



*Average Thickness :

Surface layer	6.5 μm
Second layer	14.4 μm
Third layer	8.4 μm

-- End of Report --

TEST REPORT



Report No. : HR-15-01371X

Page : 1 OF 2

Date : July 01, 2015

NANOSHINE LIMITED

Product Description: Ceramic Pro 9H
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Test Equipment : OLYMPUS BX-51 Optical Microscope

Test Results :

Appearance of Specimen

Test site : non-coat



-- To Next Page --

The value of required specifications are for reference only.
 Conformity judgment is the Applicant's final verdict.

Signed for and on behalf of
 SGS TAIWAN Ltd.

TEST REPORT

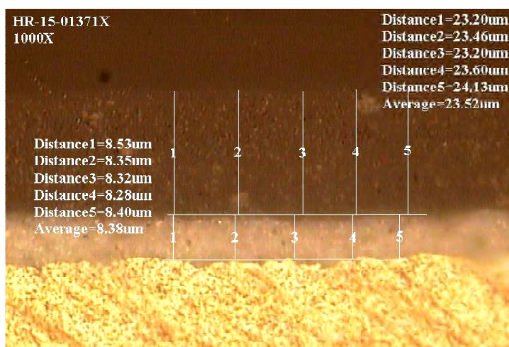
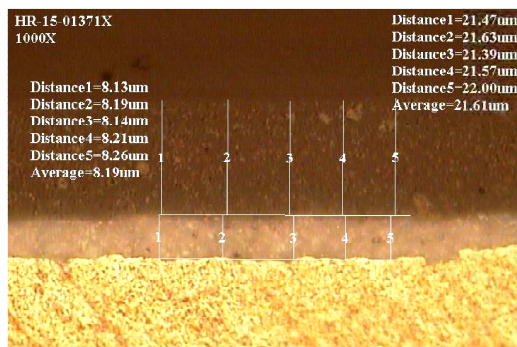


Report No. : HR-15-01371X

Page : 2 OF 2

Date : July 01, 2015

After section-polishing, the specimen was observed by OM.(Magnification 1000X)



*Average Thickness :

Surface layer	22.6 μm
Second layer	8.3 μm

-- End of Report --

Material & Engineering Laboratory-Taipei

TEST REPORT



REPORT NO. : HV-17-01263

PAGE : 1 OF 3

REPORT DATE : Apr. 07, 2017

Nanoshine Group Corp.

No. 163, Guangming Rd., Beitou Dist., Taipei City 112, Taiwan (R.O.C.)

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

Product Name : Ceramic Pro 9H

Manufacturer : Nanoshine Group Corp.

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

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

Pencil Hardness

Test Result :

-PLEASE SEE ATTACHED SHEETS-

Date of Receive : MARCH 14, 2017

Date of Testing : MARCH 14, 2017 ~ MARCH 27, 2017



Signed for and on behalf of
SGS Taiwan Ltd.

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TEST REPORT



REPORT NO. : HV-17-01263

PAGE : 2 OF 3

REPORT DATE : Apr. 07, 2017

Pencil Hardness

Test Equipment :

Name	Brand	Model
Pencil	MITSU-BISHI	uni

Lab Environmental Conditions :

Ambient Temperature : 23±2°C
Relative Humidity : 65±5%RH

Test Method :

JIS K5400(1990) Testing Methods for Paints

Test Condition :

The variety of pencil hardness :
6B - 5B - 4B - 3B - 2B - B - HB - F - H - 2H - 3H - 4H - 5H - 6H - 7H - 8H - 9H
Soft <-----> Hard
Test Load : 500g
Evaluation Method : Scratch Hardness

Test Result :

Test Item(s)	Test Result(s)	
	Coated	Non-coated
Pencil Hardness	4H	2H

Material & Engineering Laboratory-Taipei

TEST REPORT

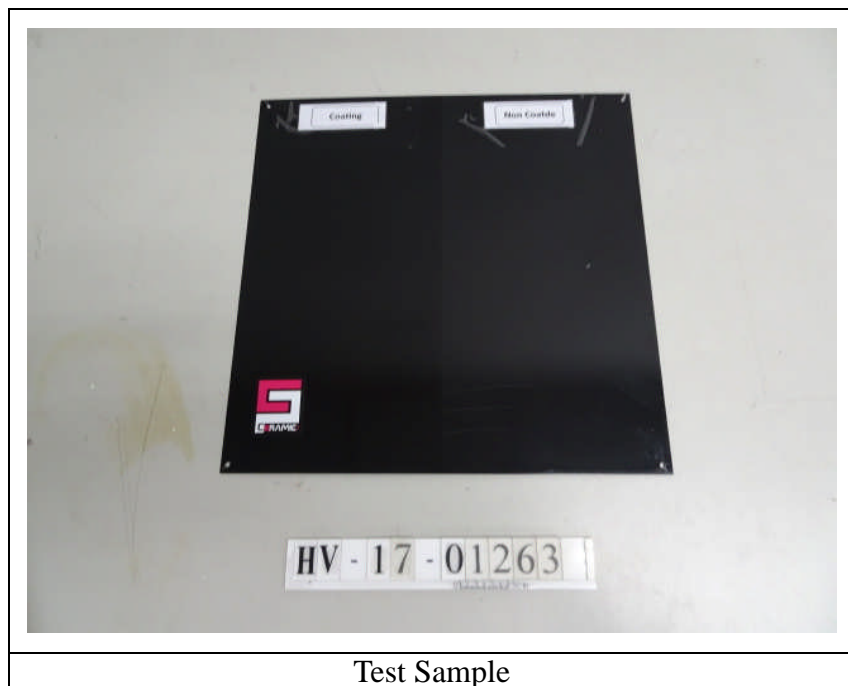


REPORT NO. : HV-17-01263

PAGE : 3 OF 3

REPORT DATE : Apr. 07, 2017

Test Photo :



Test Sample

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Material & Engineering Laboratory-Taipei

TEST REPORT



REPORT NO. : HV-17-00954-1

PAGE : 1 OF 3

REPORT DATE : Mar. 15, 2017

Nanoshine Group Corp.

No. 163, Guangming Rd., Beitou Dist., Taipei City 112, Taiwan (R.O.C.)

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

Product Name : Ceramic Pro 9H

Manufacturer : Nanoshine Group Corp

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

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

Pencil Hardness

Test Result :

-PLEASE SEE ATTACHED SHEETS-

Date of Receive : FEBRUARY 22, 2017

Date of Testing : FEBRUARY 22, 2017 ~ MARCH 10, 2017

Remark : This test report cancels and supersedes the test report No. HV-17-00954.
Revised date : April 07, 2017



Signed for and on behalf of
SGS Taiwan Ltd.

TEST REPORT



REPORT NO. : HV-17-00954-1

PAGE : 2 OF 3

REPORT DATE : Mar. 15, 2017

Pencil Hardness

Test Equipment :

Name	Brand	Model
Pencil	MITSU-BISHI	uni

Lab Environmental Conditions :

Ambient Temperature : 23±2°C

Relative Humidity : 65±5%RH

Test Method :

JIS K5400(1990)

Testing Methods for Paints

Test Condition :

The variety of pencil hardness :

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

Soft <-----> Hard

Load : 1000g

Evaluation Method : Scratch Hardness

Test Result :

Test Item(s)	Test Result(s)
Pencil Hardness	9H, No Scratch

TEST REPORT

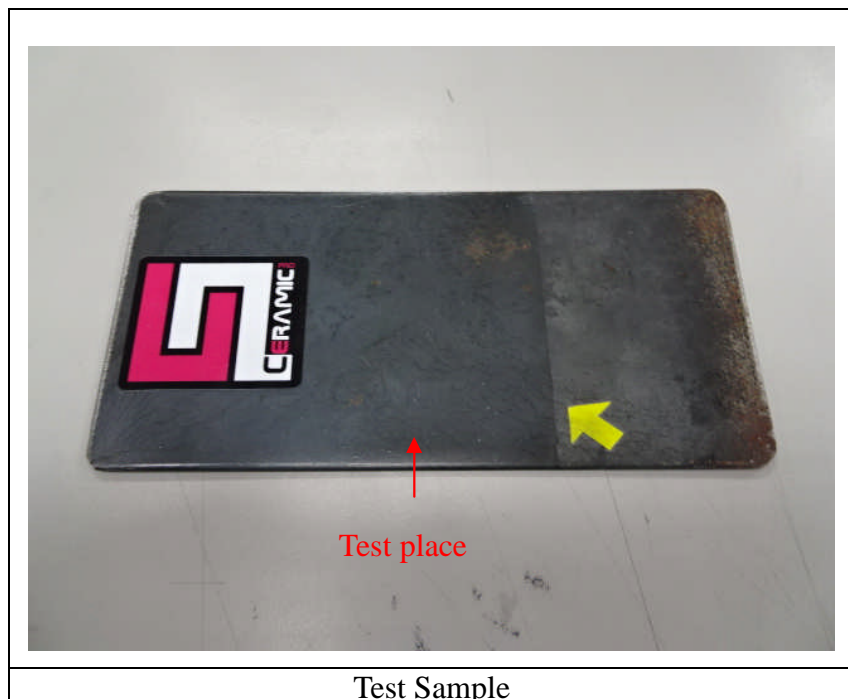


REPORT NO. : HV-17-00954-1

PAGE : 3 OF 3

REPORT DATE : Mar. 15, 2017

Test Photo :



Test Sample

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Material & Engineering Laboratory-Taipei

TEST REPORT



REPORT NO. : HV-17-01263

PAGE : 1 OF 3

REPORT DATE : Apr. 07, 2017

Nanoshine Group Corp.

No. 163, Guangming Rd., Beitou Dist., Taipei City 112, Taiwan (R.O.C.)

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

Product Name : Ceramic Pro 9H

Manufacturer : Nanoshine Group Corp.

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

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

Pencil Hardness

Test Result :

-PLEASE SEE ATTACHED SHEETS-

Date of Receive : MARCH 14, 2017

Date of Testing : MARCH 14, 2017 ~ MARCH 27, 2017



Signed for and on behalf of
SGS Taiwan Ltd.

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TEST REPORT



REPORT NO. : HV-17-01263

PAGE : 2 OF 3

REPORT DATE : Apr. 07, 2017

Pencil Hardness

Test Equipment :

Name	Brand	Model
Pencil	MITSU-BISHI	uni

Lab Environmental Conditions :

Ambient Temperature : 23±2°C
Relative Humidity : 65±5%RH

Test Method :

JIS K5400(1990) Testing Methods for Paints

Test Condition :

The variety of pencil hardness :
6B - 5B - 4B - 3B - 2B - B - HB - F - H - 2H - 3H - 4H - 5H - 6H - 7H - 8H - 9H
Soft <-----> Hard
Test Load : 500g
Evaluation Method : Scratch Hardness

Test Result :

Test Item(s)	Test Result(s)	
	Coated	Non-coated
Pencil Hardness	4H	2H

Material & Engineering Laboratory-Taipei

TEST REPORT

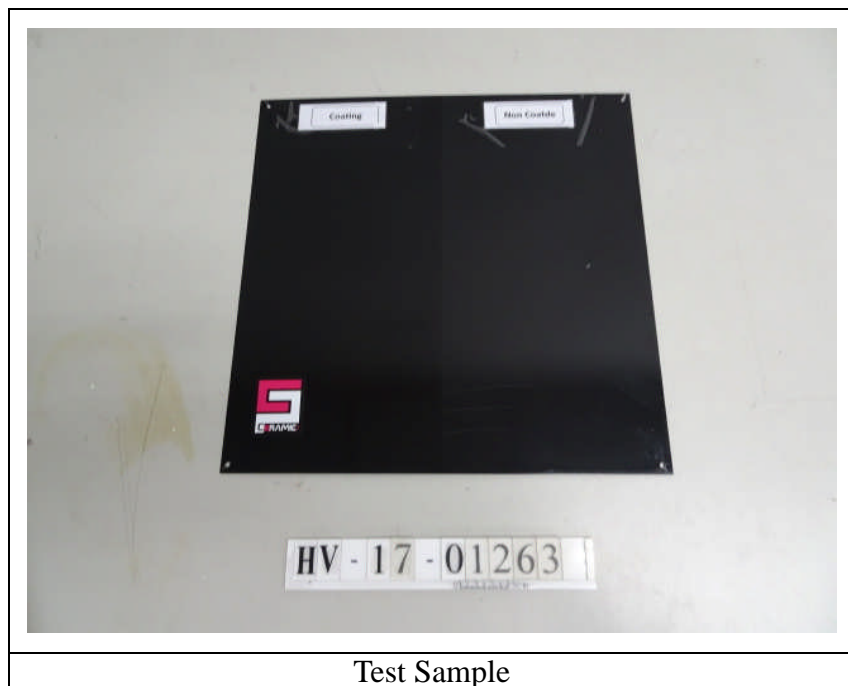


REPORT NO. : HV-17-01263

PAGE : 3 OF 3

REPORT DATE : Apr. 07, 2017

Test Photo :



Test Sample

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