

Mechanical & Hardgoods Laboratory

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 Date :
 Feb. 23, 2017

Element 119

Reynolds Bridge Rd, Thomaston, CT 06787 USA

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

Product Description:	System X Ceramic Coating
Style/Item No.:	Diamond
Manufacturer/Vendor:	Element 119
Country of Origin:	US

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

Test	Req	uested:

- 1. Hardness by pencil
- 2. Alkali resistance
- 3. Salt solution resistance

Test Method and Result: --- See following sheet(s) ---

Date of Receipt: Jun. 07, 2016

Testing Period:

Jun. 07, 2016 ~ Jun. 22, 2016



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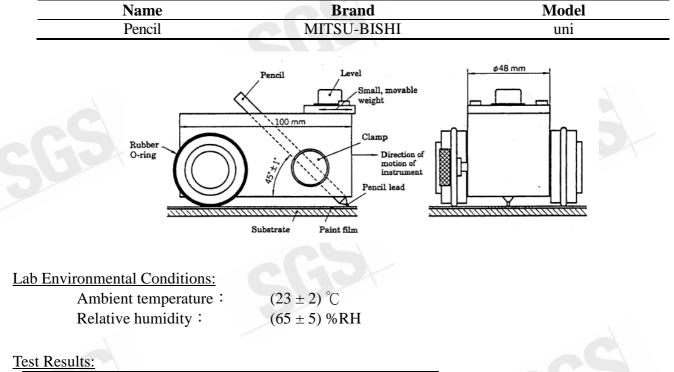
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<u>1. Hardness by pencil</u>

Test Equipment :



S	ample	Result
Syst	em X Pro	9H, No scratch.



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2. Alkali Resistance

Lab Environmental Conditions :	
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% Na_2CO_3
Test Temperature :	23 °C
Test time:	24 hours

Test Result :

Sample	Test Result(s)
System X Pro	There is no abnormality even immersed in alkali.

3. Salt Solution Resistance

<u>Lab Environmental Conditions</u> : 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)
System X Pro	There is no abnormality, even immersed in sodium chloride solution.

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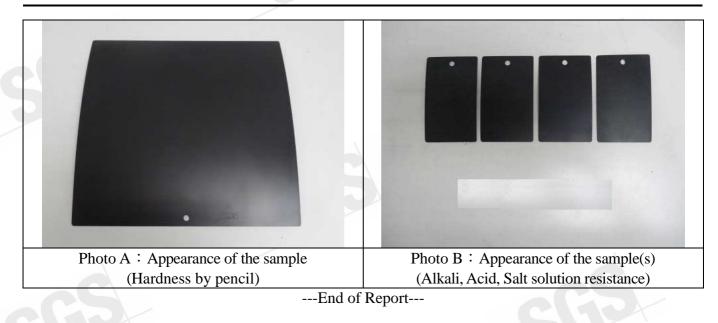


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