

**Test Report No. 221409988-01**  
**Dated 13 Jul 2016**

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**SUBJECT**

Pencil hardness

**CLIENT**

AUTOTRIZ WORLDWIDE,  
LOT43 JALAN BIDARA 2/5, TAMAN BIDARA,  
68100 BATU CAVES  
SELANGOR, MALAYSIA.

**SAMPLE RECEIVING DATE / TEST DATE**

20 Jun 2016 / 21 Jun 2016 – 23 Jun 2016

**DESCRIPTION OF SAMPLE / CONDITION OF SAMPLE RECEIVED**

Product Name : Autotriz 3d Matrix Coating  
Part Number : V-1  
Country of Origin : Germany  
Sample Condition : The samples are received in good condition, no scratch or damage was observed.

**METHOD OF TEST**

The samples were tested in accordance with customer requirement.  
Test Method: JIS K 5400 Testing Methods for Paints

**TEST FACILITY**

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**TEST SUMMARY**

The sample was tested in accordance with customer specification.

**Test Summary**

Test Standard	Test Description	Judgment
JIS K 5400 - 1990 Testing Methods for Paints	Pencil hardness From (9B to 9H)	Reported



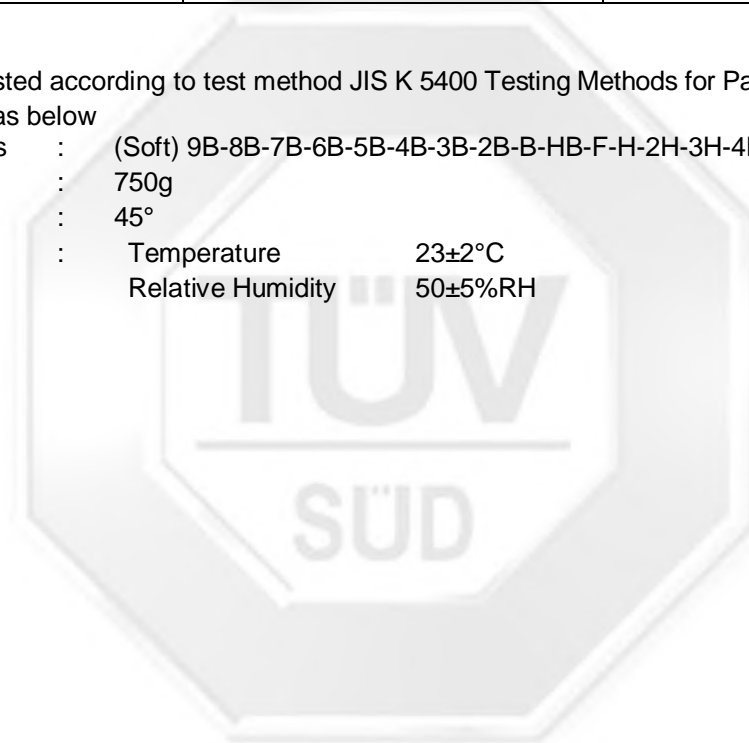


**TEST METHOD**

Sample	Evaluation	Judgment
1	Above 9H	Reported
2	Above 9H	Reported
3	Above 9H	Reported

Note:

- I. Sample was tested according to test method JIS K 5400 Testing Methods for Paints.
- II. Test condition as below
  - Pencil hardness : (Soft) 9B-8B-7B-6B-5B-4B-3B-2B-B-HB-F-H-2H-3H-4H-5H-6H-7H-8H-9H (Hard)
  - Load : 750g
  - Angle : 45°
  - Lab : Temperature 23±2°C
  - Environmental : Relative Humidity 50±5%RH
  - Conditions





**PICTURE OF TEST SAMPLE**





Test Instrument, Pencil Hardness Tester

Instrument	Model	S/No	Cal Due Date
Pencil Hardness Tester	BYK PH-5800	912	-

**Note:**

1. Lab Environmental Condition : Temperature 23±2°C  
during testing : Relative Humidity 50±5%RH

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May 2014

