

 Technical Report:
 (9615) 313-0245
 NOVEMBER 11, 2015

 Date Received:
 NOVEMBER 09, 2015
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NGUYEN VO HOAN KIM CNDNTN SAN XUAT THUONG MAI KEO DAN VA NHUA TONG HOP NGHIEP PHAT 24/15 KP BINH PHUOC B, P.BINH CHUAN, THUAN AN, BINH DUONG

Sample Description:	SON BONG CAO – CHONG TR 4H PAINT HV914	AY 3-4H – HIGH GLOSS S	SCRATCH RESISTANT 3-
Vendor:	CNDNTN SAN XUAT THUONG MAI KEO DAN VA NHUA TONG HOP NGHIEP PHAT	Sample Size:	1
Manufacturer:	SON HOA VIET – HOA VIET PAINT	VPN:	1
Buyer:	/	SKN/SKU No.:	/
Agent:	/		
Labeled Age Grade:	/	PO No.:	/
Appropriate Age Grade:	/	Ref #:	/
Client Specified Age Grade:	/	Country of Origin:	VIETNAM
Tested Age Grade:	/	Assortment No.:	/
UPC Code:	/	Department No.:	/
Phase of Production:	/	ITEM#:	/
Color:	/	Date of Production:	/
Program:	/	Model/Style#:	/
Previous No:	N/A	Country of Destination:	/

#### TEST:

Crosscut Adhesion Test

Pencil Hardness Test

#### **EXECUTIVE SUMMARY:**

The sample(s) MEETS the following requirement(s):

- The criteria requirement of coating adhesion test in test result table.
- The requirement of CPSD-HL-05014-MTHD, Pencil Hardness.

Consumer Products Services (VN) Ltd. Lot C7-C9, Conurbation 2, Cat Lai Industrial Zone, District 2, Ho Chi Minh City, Vietnam Tel: 84-8-37421604~6 Fax: 84-8-37421603 website:www.bureauveritas.com/cps This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at <a href="http://cps.bureauveritas.com">http://cps.bureauveritas.com</a> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.



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## **BVCPS** Contact information for this report.

### **Technical questions:**

Technical questions: Terry Nguyen, Tel: 848-37421-604 ~ 6; email: terry.nguyen@vn.bureauveritas.com Technical questions: Ron Nguyen, Tel: 848-37421-604 ~ 6; email: ron.nguyen@vn.bureauveritas.com

## **Concerns About Billing and General Inquiries:**

Primary Contact: Ryan Nguyen, Tel: 848-37421-604 ~ 6; email: ryan.nguyen@vn.bureauveritas.com Back-up Contact: Abby Pham, Tel: 848-37421-604 ~ 6; email: abby.pham@vn.bureauveritas.com

BUREAU VERITAS CONSUMER PRODUCTS SERVICES (VN) LTD.

**TERRY NGUYEN** 

**AUTHORIZE REPORT APPROVER** 



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## RESULT(S):

Evaluation	Citation / Method	Criteria	Results	Rating
Coating adhesion test	ASTM D3359	Use a suitable blade to cut the sample according to Hatch-Cut method or X-Cut method to obtain the grid. Select cutting method as follows:  - Use X-cut method for all coatings on non-flat surfaces, and all coatings over 5 mil (125 µm) thick.  - Use 6-tooth hatch-cut method for all coatings from 2 mils (50 µm) to 5 mils thick on flat surfaces.  - Use 11-tooth hatch-cut method for coatings up to 2 mil thick on flat surfaces.  Use masking tape applied to grid and remove to see if plating/finish remains intact. Adhesion shall rate 4A or better for X-cut or 4B or better for hatch-cut		PASS
Pencil Hardness	CPSD-HL- 05014-MTHD	Start the lead hardness test at a rating of HB increase the hardness up to 6H. The required performance level is HB or harder. Shall the sample fail to meet the requirements having a rating of HB which gouges the surface a fail result with an uncut hardness of B is to be recorded Report:  1. Gouge hardness 2. State the hardest uncut lead and shall also indicate Pass or Fail relative to the results. Any pencil lead HB/F or greater (H-6H) that will leave the film uncut for 3 mm (Distance) is considered passing. Anything less than HB is a failure. Shall the sample fail HB, record failure as B and do not continue testing	M Style 1 (White Panel): - Gouge Hardness: No Gouge At 6H - Hardest Uncut Lead: 6H	PASS

## Results Key:

М	Meets	NM	Does Not Meet
NA	Not Applicable	NT	Not Tested
С	Claimed	R	Recorded

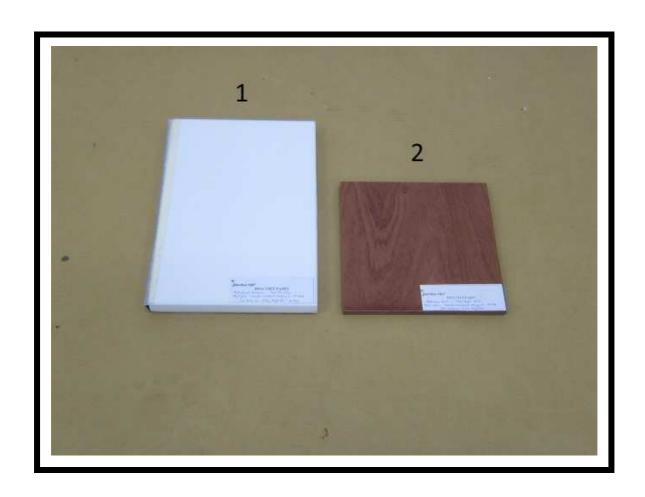


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CLASSIFICATION OF ADHESION TEST RESULTS				
CLASSIFICATION	PERCENT AREA REMOVED	SURFACE OF CROSS-CUT AREA FROM WHICH FLAKING HAS OCCURRED FOR SIX PARALLEL CUTS AND ADMESION RANGE BY PERCENT		
58	0% None			
48	Less than 5%			
3В	5 - 15%			
25	15 - 35%			
18	35 - 65%			
08	Greater than 65%			



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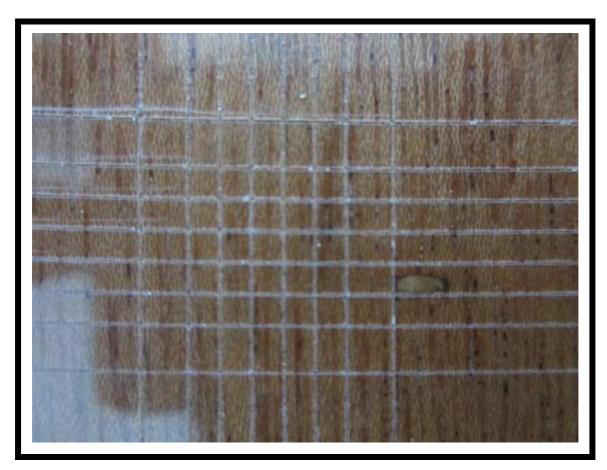
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**ADHESION TEST**