



**BUREAU
VERITAS**

Technical Report: (9615) 313-0245
Date Received: NOVEMBER 09, 2015

NOVEMBER 11, 2015
Page 1 of 7

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

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.



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.

A handwritten signature in blue ink, appearing to read 'Terry Nguyen', with a horizontal line underneath.

TERRY NGUYEN
AUTHORIZE REPORT APPROVER

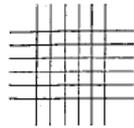
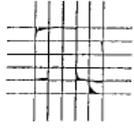
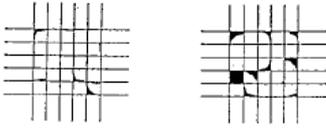
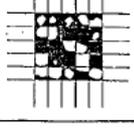


RESULT(S):

Evaluation	Citation / Method	Criteria	Results	Rating
Coating adhesion test	ASTM D3359	<p>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:</p> <ul style="list-style-type: none"> - 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. <p>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</p>	M Style 2 (Veneer Panel): Grade 4B	PASS
Pencil Hardness	CPSD-HL-05014-MTHD	<p>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</p> <p>Report:</p> <ol style="list-style-type: none"> 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

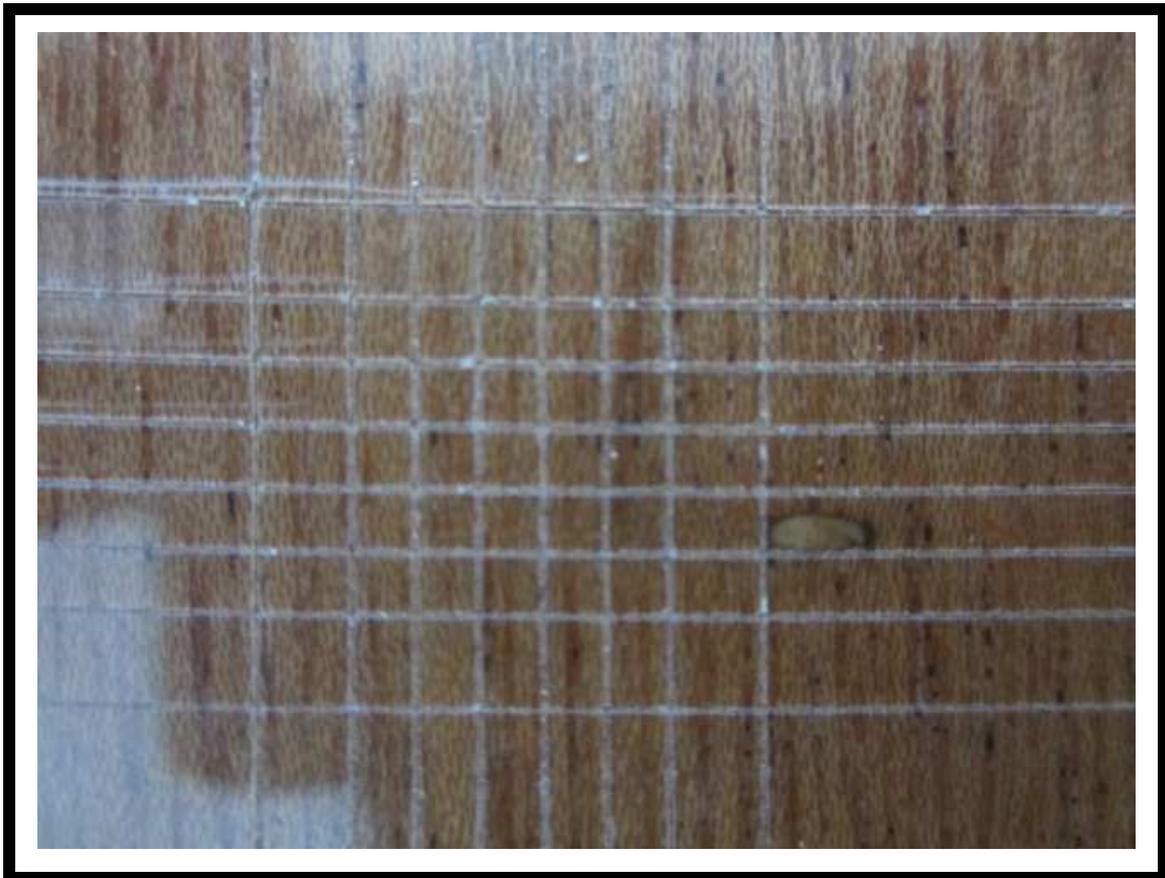
Results Key:

M	Meets	NM	Does Not Meet
NA	Not Applicable	NT	Not Tested
C	Claimed	R	Recorded

CLASSIFICATION OF ADHESION TEST RESULTS		
CLASSIFICATION	PERCENT AREA REMOVED	SURFACE OF CROSS-CUT AREA FROM WHICH FLAKING HAS OCCURRED FOR SIX PARALLEL CUTS AND ADHESION RANGE BY PERCENT
5B	0% None	
4B	Less than 5%	
3B	5 - 15%	
2B	15 - 35%	
1B	35 - 65%	
0B	Greater than 65%	







ADHESION TEST