



## TEST REPORT

No. : SHCCM160501774

Date : Jun. 24, 2016

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CHANGZHOU RICHWOOD DECORATIVE MATERIAL CO., LTD.

NO.8, MUSHIWEI ROAD, QINGFENG VILLAGE, HENGLIN TOWN, CHANGZHOU, JIANGSU, CHINA

The following sample(s) was/ were submitted and identified on behalf of the client as:

Sample Name : LAMINATE FLOORING  
Sample Number : SHCCM160501774  
Test Required : Please see the next pages  
Test Method : Please see the next pages  
Product specification : 1215\*196\*8.3mm  
Date of Receipt : May. 13, 2016  
Test Period : May. 13, 2016 to Jun. 24, 2016  
Test result(s) : For further details, please refer to the following page(s)

\*\*\*\*\* To be continued\*\*\*\*\*

Signed for SGS-CSTC Standards  
Technical Services (Shanghai) Co., Ltd.

Erin Huang  
Authorized signatory



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Lab environmental condition: 23±2℃, 50±5%RH

Test standard: EN 13329:2006+A1:2008 Laminate floor coverings-Elements with a surface layer based on aminoplastic thermosetting resins-Specifications, requirements and test methods

### Test Results:

#### I. Dimensions and tolerances

Test Item	Test result					
Length (mm)	$\Delta l$	1.4	1.1	0.2	0.5	1.0
		0.3	1.4	0.1	0.6	1.4
Width (mm)	W average: 195.25					
	$\Delta W$ average: 0.75					
	W max. - W min.: 0.40					
Thickness (mm)	t average: 8.05					
	$\Delta t$ average: 0.25					
	t max. - t min.: 0.20					
Squareness (mm)	q max.: 0.05					
Straightness (mm/m)	s max.: 1.00					
Flatness (%)	f <sub>w, convex</sub> : 0.10					
	f <sub>l, convex</sub> : 0.01					
Remark	Sample nominal dimensions: 1215mm×196mm×8.3mm, 5pcs					

#### II. Openings and height difference between elements

Test Item	Test method	Test result
Openings (mm)	EN 13329:2006+A1:2008	o <sub>average</sub> : 0.00 o <sub>max.</sub> : 0.00
Height difference (mm)		h <sub>average</sub> : 0.00 h <sub>max.</sub> : 0.05
Remark	Specimen dimensions: 1215mm×196mm×8.3mm, 8pcs	

\*\*\*\*\* To be continued\*\*\*\*\*



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### III. Formaldehyde Emission

Test Part Description: Natural colour wood block

Test Method: With reference to EN 717-1:2004, analysis was performed by UV-Vis.

Test Item(s)	Unit	MDL	Result
Formaldehyde Emission (In air)	mg/m <sup>3</sup>	0.080	ND

#### Remarks:

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected ( < MDL )
- (4) "-" = Not Regulated

#### Notes:

- (1) mg/m<sup>3</sup> = milligramme per cubic meter
- (2) Reference Limit: EN 13986:2004(E)  
Formaldehyde class E1:  $\leq 0.124$  mg/m<sup>3</sup> air  
Formaldehyde class E2:  $> 0.124$  mg/m<sup>3</sup> air

### IV. Abrasion Resistance

Sample Description: Wood panel

Test Method: EN 13329:2006+A1:2008 Annex E

#### Test Condition:

- Abrasive wheel: CS-0  
Abrasive paper strips: S-42  
Load: 500g/wheel (total 1000g)

\*\*\*\*\* To be continued\*\*\*\*\*



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Test Result:

Sample	Test result
1	Average initial wear point: 7700 revolutions

Test photos:



After test



After test- Local part

Note: Test item IV was performed by SGS other internal laboratory.

Statement: Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

\*\*\*\*\* To be continued\*\*\*\*\*



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Sample photos:



Sample photo for item I-III



Formaldehyde Emission



Abrasion Resistance

\*\*\*\*\* End of report \*\*\*\*\*