

**Test Report**

No. VNHL1907011671HG

Date: August 07, 2019

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**AN CUONG HIGH-TECH BUILDING MATERIALS JSC**

The following sample was submitted and identified on behalf of the client as below:

SGS Job No. : VNHL1907011671HG

Sample Description : SPC FLOORING

Buyer :

Manufacturer :

Characteristic : "PVC+BOT DA+PHU GIA"

Country of Origin :

Sample Receiving Date : JULY 12, 2019

Final confirmed Date : JULY 12, 2019

Testing Period : JULY 12, 2019 TO AUGUST 07, 2019

Test Requested : PLEASE REFER TO THE RESULT SUMMARY.

Test Results : PLEASE REFER TO NEXT PAGE(S).

Result Summary :

Test Requested	Conclusion
Critical Radiant Flux-ASTM E648	Data / See results

Signed for and on behalf of  
**SGS Vietnam LTD**



**Wong Cho Wing**  
Hardline and E&E Lab Manager

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### Test results:

Sample description: XXXXXXXXXX SPC FLOORING 1050MM X 250MM

#### 1. ASTM E 648-2017a

##### I. Test conducted

This test was conducted in accordance with ASTM E 648-2017a Standard test method for critical radiant flux of floor-covering systems using a radiant heat energy source.

##### II. Sample details

Sample description	One sample of panel
Color	Wood color
Specimen size	Length: <u>1050</u> mm; Width: <u>250</u> mm; Thickness: <u>5.5</u> mm
Precondition	Temperature: 21±3°C, Humidity: 50±5%, Duration: 192 h

##### III. Test results

Distance (mm)	S1	S2	S3
	Time (minute: second)	Time (minute: second)	Time (minute: second)
50	2:03	2:04	2:03
100	2:14	2:16	2:11
150	2:30	2:35	2:33
200	2:53	3:07	3:04
250	3:16	3:28	3:21
300	3:37	3:49	3:43
350	3:58	4:18	4:09
400	6:03	7:16	6:37
450	9:01	9:52	9:31
500	-	-	-
550	-	-	-
600	-	-	-
650	-	-	-
700	-	-	-
750	-	-	-
800	-	-	-
850	-	-	-
900	-	-	-
950	-	-	-
1000	-	-	-
1050	-	-	-

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Extinguishing time	12:00	12:00	12:00
Burned distance (mm)	460	450	450

To be continued...

	S1	S2	S3	Average	S	V
Critical radiant flux (W/cm <sup>2</sup> )	0.42	0.44	0.44	0.43	0.012	2.665

Remark:

S — standard deviation; V — coefficient of variation

**Classification:** NFPA 101-2018 Life Safety Code Chapter 10 Interior Finish, Contents, and Furnishings Clause 10.2.7 Interior Floor Finish Test and Classification,

- (1) Class I interior floor finish shall be characterized by a critical radiant flux not less than 0.45 W/cm<sup>2</sup>.
- (2) Class II interior floor finish shall be characterized by a critical radiant flux not less than 0.22 W/cm<sup>2</sup> but less than 0.45 W/cm<sup>2</sup>.

Since the tested sample received an average Critical radiant flux 0.43 W/cm<sup>2</sup>, it **meets** the requirements of Class II for interior floor finish specified in NFPA 101-2018 clause 10.2.7.

### **STATEMENTS:**

This declaration of conformity is only based on the result of this laboratory activity, the impact of the uncertainty of the results was not included.

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test. They are not intended to be the sole criterion for assessing the potential fire hazard of the product in use. The test results relate only to the specimens of the product in the form in which were tested. Small differences in the composition or thickness of the product may significantly affect the performance during the test and may therefore invalidate the test results. Care should be taken to ensure that any product, which is supplied or used, is fully represented by the specimens, which were tested.

Remark: This / these test(s) was / were performed by SGS Anji's Hardline Lab.

To be continued...

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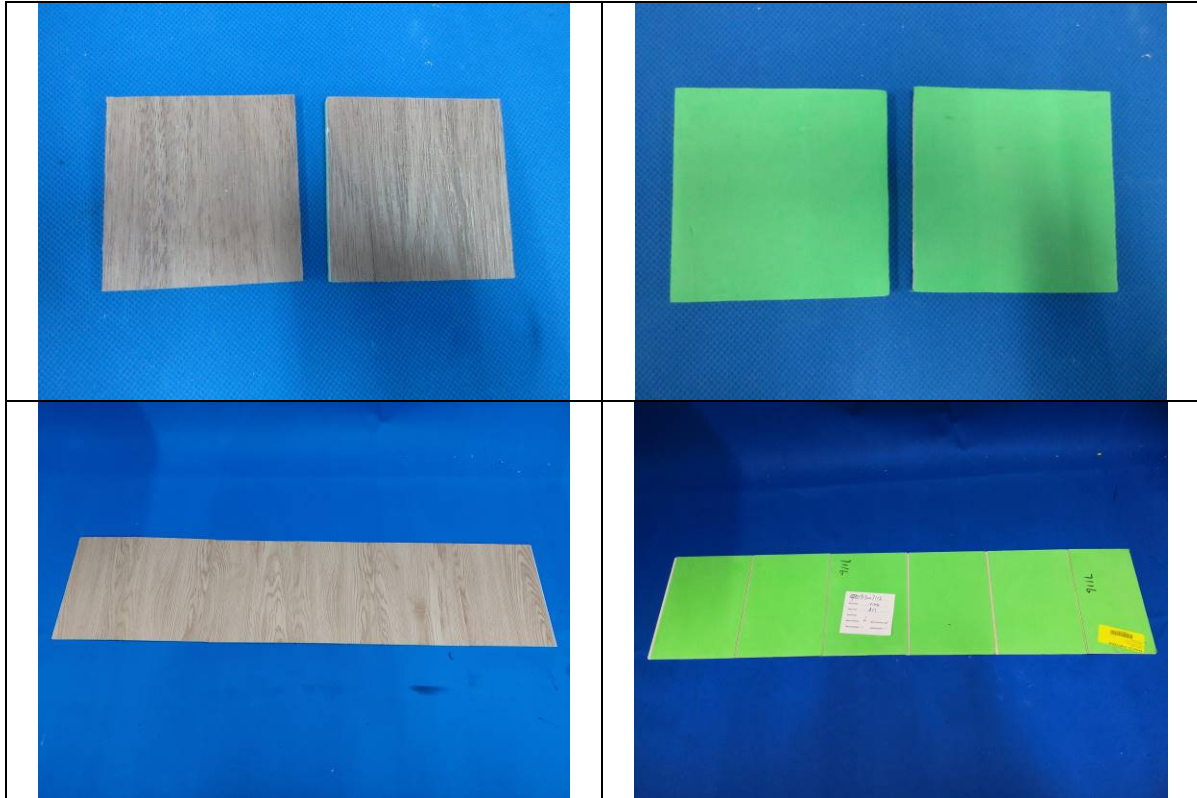
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**PHOTO OF SUBMITTED SAMPLE FOR TESTING**


**REPORT RESULTS REFER TO SUBMITTED SAMPLE (S) ONLY**

**\*\*\* End of Report \*\*\***

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