

TEST REPORT

No. : XMIN180100248CCM

Date: Mar.19, 2018

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CUSTOMER NAME: GLUCK GMBH CORP.
 ADDRESS: 8003 NW 29 STREET, DORAL, 33122
 FLORIDA, USA

Sample Name : RIGID LVT PLANK
 Material : Vinyl
 Manufactured for : GLUCK GMBH CORP.

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

Test Required : Selected test(s) as requested by applicant
 SGS Ref. No. : SDHL1802002900FB
 Date of Receipt : Feb.07, 2018
 Testing Start Date : Feb.07, 2018
 Testing End Date : Feb.13, 2018

Test Result Summary

No.	Test(s) Requested	Result(s)
1	ASTM E 648-17	Refer to next page(s).

For further details, please refer to the following page(s)
 (Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

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

Signed for
 SGS-CSTC Standards Technical
 Services Co., Ltd. XM Branch



Civi Huang Authorized Signatory



SGS-CSTC Standards Technical Services Co., Ltd.
 Xiamen Branch Testing Center Construction Material Laboratory

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Test conducted:

ASTM E648-17 Standard test method for critical radiant flux of floor-covering systems using a radiant heat energy source.

I. General information

Thickness	About 2mm
Density	About 3.94kg/m ²
Precondition	Temperature: 21±3°C Humidity: 50±5%, Duration:96h
Mounting method	The specified floor-covering system: None. Mounting: The specimens were backed by a nominal 13-mm thick 0.58 g/cm ³ inorganic millboard.

II. Test results

Flame front advance			
Distance (cm)	Specimen1	Specimen 2	Specimen 3
	Time (minute: second)	Time (minute: second)	Time (minute: second)
5	8:26	8:34	8:17
10	-	-	-
15	-	-	-
20	-	-	-
25	-	-	-
30	-	-	-
35	-	-	-
40	-	-	-
45	-	-	-
50	-	-	-
55	-	-	-
60	-	-	-
65	-	-	-
70	-	-	-
75	-	-	-
80	-	-	-
85	-	-	-

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



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Distance (cm)	Specimen1	Specimen 2	Specimen 3
	Time (minute: second)	Time (minute: second)	Time (minute: second)
90	-	-	-
95	-	-	-
100	-	-	-
Extinguishing time	10:01	10:01	10:01
Burned distance (cm)	5	6	6
Observations	Charring	Charring	Charring

Calculation:

	Specimen1	Specimen 2	Specimen 3	Average	S	V
Critical radiant flux (W/cm ²)	1.08	1.08	1.08	1.08	0	0

Note: S-estimated standard deviation; V-coefficient of variation

RATING:

Note: ASTM E648 is solely a test procedure and, as such, has no specific pass/fail criteria of its own. The below specification criteria are cited for reference purposes only, and may or may not apply to this tested product.

The National Fire Protection Association Life Safety Code 101, Chapter 10, Section 10.2.7 “Interior Floor Finish Testing and Classification”, has a means of classifying materials with respect to critical radiant flux ratings when tested in accordance with NFPA 253, Standard Method of Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source, or ASTM E 648, Standard Test Method for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source.

International Building Code, Chapter 8, Interior Finishes, Section 804 “INTERIOR FLOOR FINISH”, was classified in accordance with ASTM E648 or NFPA 253. Such interior finish materials shall be grouped in the following classes in accordance with their critical radiant flux ratings.

The classifications are as follows:

	Class I	Class II
Critical Radiant Flux, <i>watts/cm²</i>	≥ 0.45	≥ 0.22

Since the tested sample received a Critical Radiant Flux = 1.08 *watts/cm²*, it would meet the requirement of Class I Interior Floor Finish.

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



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STATEMENTS:

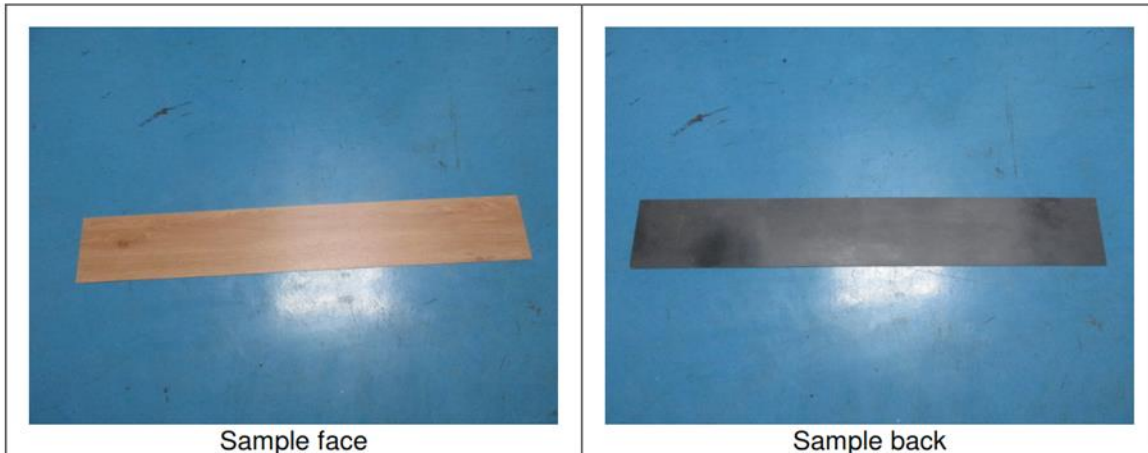
The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

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.

The specimen was supplied by the sponsor and SGS was not involved in any selection or sampling procedure.

Note: The above test was carried out by SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch.

Specimen photograph:



SGS authenticate the photo on original report only

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



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