

FLOORCO TRADING LTD.

TEST REPORT

SCOPE OF WORK

FLOORCO HOMY & ANTICO Engineered wood flooring

REPORT NUMBER

230822002SHF-014

TEST DATE(S)

2023-08-23 - 2023-10-08

ISSUE DATE

2023-11-01

PAGES

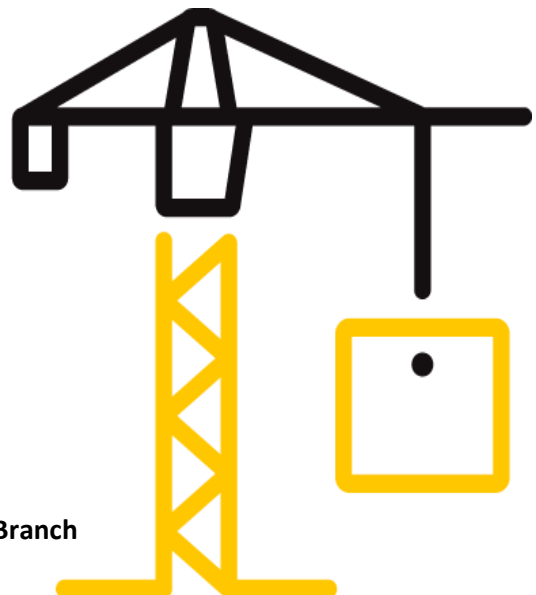
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DOCUMENT CONTROL NUMBER

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Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch



Test Report

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Test Report

Issue Date: 2023-11-01 Intertek Report No. 230822002SHF-014
Applicant: FLOORCO TRADING LTD.
Address: 118 CARBINE ROAD, MT WELLINGTON
Attn: Terry SHI
Test Type: Performance test, samples provided by the applicant.

Product Information

Product Name	FLOORCO HOMY & ANTICO Engineered wood flooring	Brand	/
Sample Description	Good Condition	Sample Amount	40 pcs
		Received Date	2023-08-23
Sample ID	Model	Specification	
S230822002SHF.052	FLOORCO ATWOOD & ANTICO	2200mm×220mm×20mm	

Test Methods And Standards

Test Standard	ASTM E648-19a ^{e1}
Specification Standard	/
Test Conclusion	The samples were tested according to the above standards, and the results are shown in the following page.

Note:

1.This report does not involve sampling. The report only reflects conformity of the tested items of the samples provided by the testing applicant. Representativeness and authenticity of the submitted samples are responsibilities of the testing applicant.

Report Authorized


Sally Xie *Jackie Zhou*
Name: Sally Xie Name: Jackie Zhou
Title: Reviewer Title: Project Engineer



Test Report

Issue Date: 2023-11-01

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Test Items, Method and Results:

Test Item: Critical radiant flux

Test Method: ASTM E648-19a^{e1}

Conditioning: At temperature of $(21 \pm 3)^\circ\text{C}$ and relative humidity of $(50 \pm 5)\%$ for 48h

1 Test Overview

This procedure provides a way of measuring **Critical Radiant Flux** (the level of incident radiant heat energy on a floor covering system at the most distant flame-out point, reported as w/cm^2) of horizontally mounted floor-covering systems exposed to a flaming ignition source while being exposed to radiant heat energy from a panel with approximately a 30° angle from the horizontal.

2 Test Procedure

At least three specimens shall be tested. Following the ASTM E648-19a^{e1} calibration procedures the first specimen was loaded into the test chamber. After a 5 min pre-heat time, the pilot flame was placed into contact with the specimen at the 0 mm mark. The pilot flame is to remain in contact with the specimen for 5 min, then removed. If the specimen does not propagate flame during the 5 min pilot flame contact, then the test is terminated. For specimens that do propagate flame, the test is continued until the flame goes out. The distance to the farthest flame-out point is noted, which is then used to determine the **Critical Radiant Flux**, based on a radiant heat energy flux profile curve of the apparatus obtained during calibration.



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Test Items, Method and Results:

3 Test Result

Specimen	1	2	3
Maximum Distance (mm)	480	460	510
Time to Maximum Distance (min:sec)	39:48	32:57	35:37
Time to All Flame Out (min:sec)	43:23	35:28	42:48
Critical Radiant Flux (W/cm ²)	0.39	0.42	0.35
Average Critical Radiant Flux (W/cm ²)	0.39		
Standard Deviation (W/cm ²)	0.04		
Coefficient of Variation (%)	9.08		

Observation

Specimen	Smoking (min:sec)	Discolored (min:sec)	Ignition (min:sec)
1	3:38	3:25	5:03
2	3:34	3:18	5:04
3	3:30	3:21	5:06



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Test Items, Method and Results:

4 Test photos



Before test



After test



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Appendix A: Sample Received Photo



Front view(Test surface)



Back view

Revision:

NO.	Date	Changes
230822002SHF-014	2023-11-01	First issue

