TOPFLOR PLASTICS NANTONG

TEST Report

REPORT NUMBER
170705003SHF-BP-3

ISSUE DATE
2017/7/28

PAGES
6

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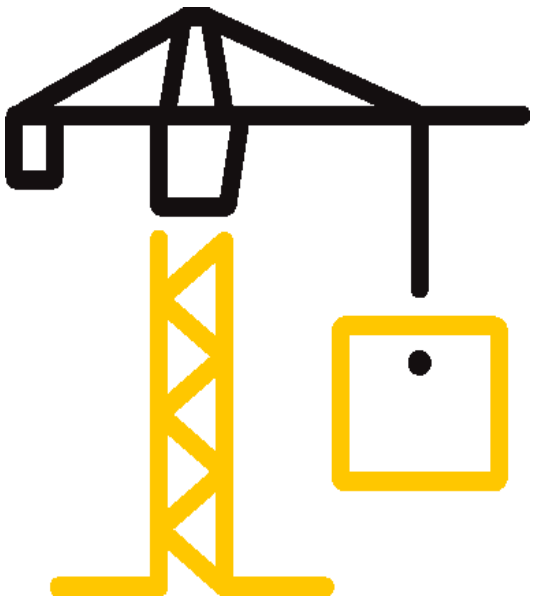

Intertek Testing Services Ltd., Shanghai
No.7 Building, No. 6958 Daye Road, Fengxian District, Shanghai, China
Tel: 021-61136116 Fax: 021-61189921
Website: www.intertek.com

Test Report

Issue Date: 2017/7/28 Intertek Report No. 170705003SHF-BP-3

Applicant: TOPFLOR PLASTIC NANTONG CO., LTD.

Applicant Address: No.10 Tao Yuan Road, Nantong Jiangsu, P.R.China

Attn: Zhang Wei

SUBJECT: Performance testing
SPORTS FLOORING

Dear Sir,
This test report for represents the results of our evaluation of the above referenced product(s) to the requirements contained in the following standards:

TEST METHODS AND STANDARDS
Refer to the next following Pages.

SAMPLE ID	MODEL	SPECIFICATION
S170705003SHF-006	TOPFLOR	7.0mm

SAMPLE RECEIEVED: 2017/6/26
TESTED FROM: 2017/7/14 TO 2017/7/14

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Test Items, Method and Results：

Test method: EN 13501-1: 2007+A1: 2009 Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests

1.1 CRITICAL HEAT FLUX TEST

The test was conducted in accordance with EN ISO 9239-1. This test evaluates the wind-opposed burning behavior and spread of flame of horizontally mounted floorings exposed to a heat flux radiant gradient in a test chamber, when ignited with pilot flames.

1.2 IGNITABILITY TEST

The test was conducted in accordance with EN ISO 11925-2. This test evaluates the ignitability of a product under exposure to a small flame.

1.3 CLASSIFICATION CRITERIA

The classification was determined in accordance with EN 13501-1: 2007+A1: 2009. The classes C_{fl} with their corresponding fire performance are given in the table below.

Table- Classes of reaction to fire performance for flooring.

Class	Test Method(s)	Classification criteria	Additional classifications
C_{fl}	EN ISO 9239-1 [a] and	Critical flux [b] $\geqslant$ 4.5 kW/m^2	Smoke production [c]
	EN ISO 11925-2 [d] Exposure=15 s	FS $\leqslant$ 150 mm within 20 s	

Note:

a. Test duration = 30 min.
b. Critical flux is defined as the radiant flux at which the flame extinguishes or the radiant flux after a test period of 30 min, whichever is the lower (i.e. the flux corresponding with the furthest extent of spread of flame).
c. s1 = Smoke $\leqslant$ 750 % minutes; s2 = not s1.
d. Under conditions of surface flame attack and, if appropriate to the end use application of the product, edge flame attack.

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Test Items, Method and Results：

2 RESULTS AND OBSERATIONS

Method	Parameter	Result
EN ISO 9239-1:2010	Critical flux (transverse), kW/m^2	7.1
	Critical flux (longitudinal), kW/m^2	6.7
	Smoke production, % minutes	285
EN ISO 11925-2:2010 Exposure=15 s	Fs, mm	39

Note

1. This test was conducted at the external approved facility, located at Guangzhou.

3 CLASSIFICATION

The classification has been carried out in accordance with EN 13501-1.

Fire behaviour		Smoke production	
C_{fl}	-	s	*1*

Reaction to fire classification C_{fl}-*s1*

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4 Test Photos

Before Test

After Test

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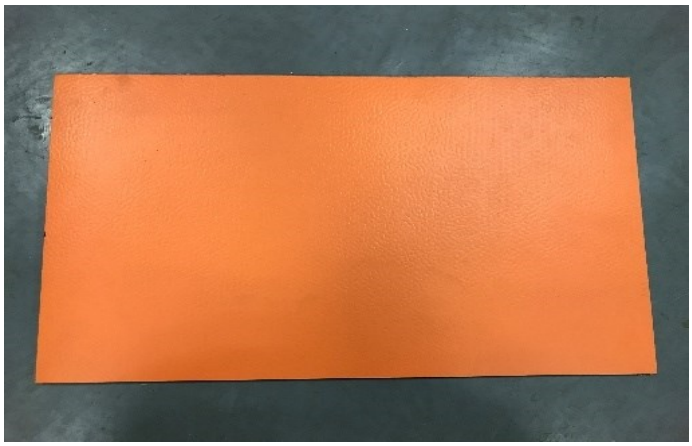
APPENDIX: SAMPLE RECEIVED PHOTO



REPORT AUTHORIZED

When signed with physical or electronic signature, the contents of this report have been prepared and approved per Intertek's quality process in accordance with ISO 17025.

Name: Sun Sun	Name: Harrison Li	Name: Adolph Chen
Title: Approver	Title: Reviewer	Title: Project Engineer

Revision:

NO.	DATE	CHANGES	AUTHOR	REVIEWER
170705003SHF-BP-3	2017/7/28	First issue	Adolph Chen	Harrison Li