

Test Report

No. SDFS1904001464FF

Date: Apr.18, 2019

Page 1 of 4

DRAGONSHINE INDUSTRIAL (HK) LIMITED
A302, MEIDU PLAZA, MOGANSHAN RD. 310011, HANGZHOU, P.R. CHINA

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

Sample Description : TEXLYWEAVE FLOOR COVERING
SGS Ref. No. : XMIN190400670CCM
Material : WOVEN VINYL
Spec. : 14050-1
Manufacturer : DRAGONSHINE INDUSTRIAL (HK) LIMITED
Sample Information : 18DY0614
Sample Receiving Date : Apr.08, 2019
Test Performing Date : Apr.08, 2019 to Apr.18, 2019

Test Result Summary

Test(s) Requested	Result(s)
GB 8624-2012 Fire classification for burning behavior of building materials and products, Clause 5.1.2 Table 3. Classes of reaction to fire performance for floorings	Classification: B ₁ (C-s1)

Summary:

1. For further details, please refer to the following page(s).

Signed for and on behalf of
Shunde Branch
SGS-CSTC Co., Ltd.



Irville Zhang
Approved signatory



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SGS-CSTC Shunde Branch
Shunde Branch Harbin

1/F, 1st Building, European Industrial Park, No.1 Shunde South Road, Wusha Section, Daliang Town, Shunde, Foshan, Guangdong, China 528333 t (86-757)22805888 f (86-757)22805858 www.sgsgroup.com.cn
中国·广东·佛山市顺德区大良街道办事处五沙顺和南路1号欧洲工业园一号厂房首层 邮编: 528333 t (86-757)22805888 f (86-757)22805858 e sgs.china@sgs.com

TESTS AND RESULTS

Test Conducted:

GB 8624-2012 Fire classification for burning behavior of building materials and products, Clause 5.1.2 Table 3. Classes of reaction to fire performance for floorings

And the test methods as following:

1. GB/T 11785-2005 Reaction to fire test for flooring-Determination of the burning behavior using a radiant heat source.
2. GB/T 8626-2007 Test method of flammability for building materials.

Mounting and fixing (For GB/T 11785):

Fibre cement board, with its density about 1800kg/m³, thickness about 8mm, is as the substrate.

The specimens were fixed mechanically to the substrate.

Test Results:

Test method	Parameter	Number of tests	Results
GB/T 11785-2005	The mean value for the critical heat flux (CHF and/or HF-30) from the same orientation	3	6.6 kW/m ²
	Smoking measurement Integrated smoke value		517.5 %×min
GB/T 8626-2007 Exposure = 15 s	$F_s \leq 150$ mm within 20 s (Yes/No)	6	Yes

Remark:

- 1). Test specimens with flame-spread distances longer than 910 mm have a critical heat flux ≤ 1.1 k W/m²
- 2). Calculate the mean value for the critical flux (CHF and/or HF-30) from the three same orientation specimens.

Classification and direct field of application

This classification has been carried out in accordance with GB 8624-2012 and the classes with their corresponding fire performance are given in Table 3.

Conclusion:

According to the test result, Combustion properties identified as: GB 8624 B₁ (C-s1) ;

The submitted sample satisfies Class B₁ requirement of reaction to fire performance for floorings in GB 8624-2012.



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SGS-CSTC (Shunde) Technical Services Co., Ltd.
Shunde Branch Harbin

1/F, 1st Building, European Industrial Park, No.1 Shunde South Road, Wusha Section, Daliang Town, Shunde, Foshan, Guangdong, China 528333 t (86-757)22805888 f (86-757)22805858 www.sgsgroup.com.cn
中国·广东·佛山市顺德区大良街道办事处五沙顺和南路1号欧洲工业园一号厂房首层 邮编: 528333 t (86-757)22805888 f (86-757)22805858 e sgs.china@sgs.com

Table 3 Classes of reaction to fire performance for floorings

Class		Test method(s)		Classification criteria
A	A1	GB/T 5464 ^a and		$\Delta T \leq 30\text{ }^{\circ}\text{C}$; $\Delta m \leq 50\text{ }\%$; $t_f = 0$
		GB/T 14402		$\text{PCS} \leq 2.0\text{MJ/kg}$ ^{a, b, d} ; $\text{PCS} \leq 1.4\text{MJ/m}^2$ ^c
	A2	GB/T 5464 ^a or	and	$\Delta T \leq 50\text{ }^{\circ}\text{C}$; $\Delta m \leq 50\text{ }\%$; $t_f \leq 20\text{ s}$
		GB/T 14402		$\text{PCS} \leq 3.0\text{ MJ/kg}$ ^{a,d} ; $\text{PCS} \leq 4.0\text{ MJ/m}^2$ ^{b,c}
		GB/T 11785 ^e		$\text{CHF} \geq 8.0\text{ kW/m}^2$
B ₁	B	GB/T 11785 ^e and		$\text{CHF} \geq 8.0\text{ kW/m}^2$
		GB/T 8626 (Exposure =15s)		$F_s \leq 150\text{ mm}$ within 20 s
	C	GB/T 11785 ^e and		$\text{CHF} \geq 4.5\text{ kW/m}^2$
		GB/T 8626 (Exposure =15s)		$F_s \leq 150\text{ mm}$ within 20 s
B ₂	D	GB/T 11785 ^e and		$\text{CHF} \geq 3.0\text{ kW/m}^2$
		GB/T 8626 (Exposure =15s)		$F_s \leq 150\text{ mm}$ within 20 s
	E	GB/T 11785 ^e and		$\text{CHF} \geq 2.2\text{ kW/m}^2$
		GB/T 8626 (Exposure =15s)		$F_s \leq 150\text{ mm}$ within 20 s
B ₃	F	No performance determined		
^a For homogeneous products or substantial components of non-homogeneous products. ^b For any external non-substantial component of non-homogeneous products. ^c For any internal non-substantial component of non-homogeneous products. ^d For the product as a whole. ^e Test duration $\leq 30\text{ min}$.				

Table B.1 smoke production levels and grading criterion

SMOGRA	Test Method	Requirement
s1	GB/T 11785	$\text{Smoke} \leq 750\text{ \%} \times \text{minutes}$;
s2		not s1.

Statement:

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.

Warning:

This classification report does not represent type approval or certification of the product.



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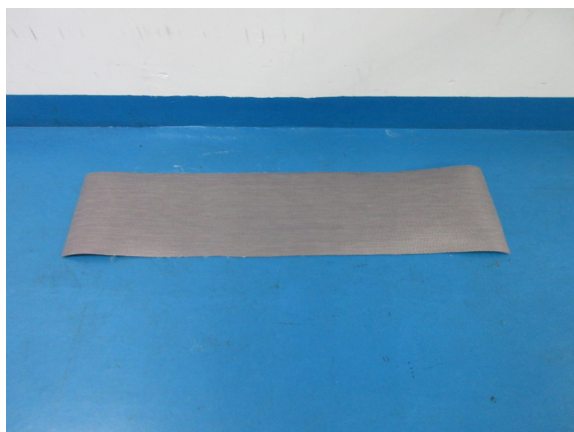
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 中国·广东·佛山市顺德区大良街道办事处五沙顺和南路1号欧洲工业园一号厂房首层 邮编: 528333 t (86-757)22805888 f (86-757)22805858 e sgs.china@sgs.com

SAMPLE INFORMATION AND PICTURES

Mass per unit area: About 2.40kg/m²

Thickness: About 4mm

Product usage: Flooring material



Sample face



Sample back

Remark: The report is English version of Chinese test report SDFS1904001464FF_CN. The Chinese version shall prevail in case of discrepancy between the Chinese version and English version.

End of Report



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