



中国认可
国际互认
检测
TESTING
CNAS L7877

Test Report

No. SDHL1712028045FB

Date: Jan.09, 2018

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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 : TEXTLYWEAVE FLOOR COVERING
SGS Ref. No. : XMIN171202707CCM
Material : WOVEN VINYL
Spec. : 17033
Manufacturer : DRAGONSHINE INDUSTRIAL (HK) LIMITED
Sample Information : YJ1701
Sample Receiving Date : Dec.28, 2017
Test Performing Date : Dec.28, 2017 to Jan.09, 2018

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 (B-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.

Ivette Zhang
Approved signatory



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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	10.1kW/m ²
	Smoking measurement Integrated smoke value		444.1%×min
GB/T 8626-2007 Exposure = 15 s	$F_s \leq 150$ mm within 20 s (Yes/No)	12	Yes

Remark:

- 1). Specimens that do not ignite or which spread flame less than 110 mm have a critical heat flux ≥ 11 kW/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 (B-s1)

The submitted sample satisfies GB 8624-2012 Class B₁



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Table 3 Classes of reaction to fire performance for floorings

Class	Test method(s)		Classification criteria
A	A1	GB/T 5464 ^a and	$\Delta T \leq 30\text{ }^{\circ}\text{C}$; and $\Delta m \leq 50\%$; and $t_f = 0$ (i.e. no sustained flaming)
		GB/T 14402	$PCS \leq 2,0\text{ MJ/kg}^a$ and $PCS \leq 2,0\text{ MJ/kg}^b$ and $PCS \leq 1,4\text{ MJ/m}^2^c$ and $PCS \leq 2,0\text{ MJ/kg}^d$
	A2	GB/T 5464 ^a or	$\Delta T \leq 50\text{ }^{\circ}\text{C}$ and $\Delta m \leq 50\%$ and $t_f \leq 20\text{ s}$
		GB/T 14402	$PCS \leq 3,0\text{ MJ/kg}^a$ and $PCS \leq 4,0\text{ MJ/m}^2^b$ and $PCS \leq 4,0\text{ MJ/m}^2^c$ and $PCS \leq 3,0\text{ MJ/kg}^d$
	GB/T 11785 ^e and		Critical flux $\geq 8,0\text{ kW/m}^2$
B ₁	B	GB/T 11785 ^e and	Critical flux $\geq 8,0\text{ kW/m}^2$
		GB/T 8626 (Exposure =15s)	$F_s \leq 150\text{ mm}$ within 20 s
	C	GB/T 11785 ^e and	Critical flux $\geq 4,5\text{ kW/m}^2$
		GB/T 8626 (Exposure =15s)	$F_s \leq 150\text{ mm}$ within 20 s
B ₂	D	GB/T 11785 ^e and	Critical flux $\geq 3,0\text{ kW/m}^2$
		GB/T 8626 (Exposure =15s)	$F_s \leq 150\text{ mm}$ within 20 s
	E	GB/T 8626 (Exposure =15s)	$F_s \leq 150\text{ mm}$ within 20 s
B ₃	F	No performance determined	

^a For homogeneous products and 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 = 30 min.

Table B.1 smoke production levels and grading criterion

SMOGRA	Test Method	Requirement
s1	GB/T 11785	Smoke $\leq 750\%$ 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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SAMPLE INFORMATION AND PICTURES

Mass per unit area: About 2.38kg/m²
Thickness: About 4mm



Sample picture



After test (GB/T 11785-2005)

Remark: The report is English version of Chinese test report 1712028045FB_CN. The Chinese version shall prevail in case of discrepancy between the Chinese version and English version.

End of Report



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