

## Test Report

No. SDHL1810024003FB

Date: Nov.01, 2018

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SHENZHEN JIAHE CO.,LTD  
XIANDONG VILLAGE CHIGANG TOWNPUNING JIEYANG CITY GUANGDONG PROVINCE, PR  
CHINA

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

Sample Description : SPC FLOORING  
SGS Ref. No. : WHIN1810003637SC  
Sample Receiving Date : Oct.22, 2018  
Test Performing Date : Oct.22, 2018 to Nov.01, 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 <sub>1</sub> (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/m<sup>3</sup>, 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	≥11 kW/m <sup>2</sup>
	Smoking measurement Integrated smoke value		99.2 %×min
GB/T 8626-2007 Exposure = 15 s	<i>F<sub>s</sub></i> ≤ 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 ≥ 11kW/m<sup>2</sup>
- 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 B<sub>1</sub> (B-s1)

The submitted sample satisfies Class B<sub>1</sub> requirement of reaction to fire performance for floorings in GB 8624-2012



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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 <sup>a</sup> and	$\Delta T \leq 30 \text{ }^\circ\text{C}$ ; $\Delta m \leq 50 \%$ ; $t_f = 0$	
		GB/T 14402	$PCS \leq 2.0\text{MJ/kg}$ <sup>a, b, d</sup> ; $PCS \leq 1.4\text{MJ/m}^2$ <sup>c</sup>	
	A2	GB/T 5464 <sup>a</sup> or	and	$\Delta T \leq 50 \text{ }^\circ\text{C}$ ; $\Delta m \leq 50 \%$ ; $t_f \leq 20 \text{ s}$
		GB/T 14402		$PCS \leq 3.0 \text{ MJ/kg}$ <sup>a, d</sup> ; $PCS \leq 4.0 \text{ MJ/m}^2$ <sup>b, c</sup>
		GB/T 11785 <sup>e</sup>	$CHF \geq 8.0 \text{ kW/m}^2$	
B <sub>1</sub>	B	GB/T 11785 <sup>e</sup> and	$\text{Critical flux} \geq 8.0 \text{ kW/m}^2$	
		GB/T 8626 (Exposure =15s)	$F_s \leq 150 \text{ mm}$ within 20 s	
	C	GB/T 11785 <sup>e</sup> and	$CHF \geq 4.5 \text{ kW/m}^2$	
		GB/T 8626 (Exposure =15s)	$F_s \leq 150 \text{ mm}$ within 20 s	
B <sub>2</sub>	D	GB/T 11785 <sup>e</sup> and	$CHF \geq 3.0 \text{ kW/m}^2$	
		GB/T 8626 (Exposure =15s)	$F_s \leq 150 \text{ mm}$ within 20 s	
	E	GB/T 11785 <sup>e</sup> and	$CHF \geq 2.2 \text{ kW/m}^2$	
		GB/T 8626 (Exposure =15s)	$F_s \leq 150 \text{ mm}$ within 20 s	
B <sub>3</sub>	F	No performance determined		

<sup>a</sup> For homogeneous products and substantial components of non-homogeneous products.  
<sup>b</sup> For any external non-substantial component of non-homogeneous products.  
<sup>c</sup> For any internal non-substantial component of non-homogeneous products.  
<sup>d</sup> For the product as a whole.  
<sup>e</sup> Test duration  $\leq 30$  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.

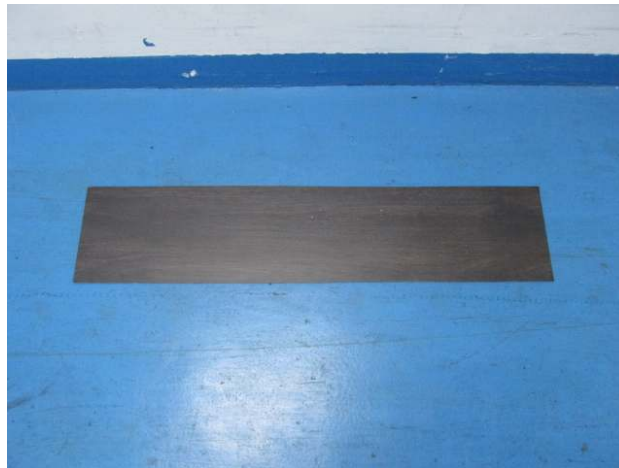


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### SAMPLE INFORMATION AND PICTURES

Mass per unit area: About 8.0kg/m<sup>2</sup>  
 Thickness: About 4mm  
 Application: Flooring



Test sample

**Remark:** The report is English version of Chinese test report SDHL1810024030FB\_CN. The Chinese version shall prevail in case of discrepancy between the Chinese version and English version.

\*\*\*End of Report\*\*\*



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