

DONGGUAN CITY XINLIJIE NEW MATERIAL CO.LTD  
BUILDING 4, BUILDING 3, NO. 6, GUYONG YINGHE ROAD, WANJIANG STREET, DONGGUAN CITY,  
GUANGDONG PROVINCE

Sample Description : SPC CLICK LOCK FLOORING  
Client Reference Information : COLOR: WOODEN AND MARBLE DESIGN; THICKNESS: 5.0mm  
Manufacturer : DONGUAN XINLIJIE NEW MATERICAL CO .LTD

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

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SGS Ref No. : SDFS2404002275FF  
Sample Receiving Date : Apr 09, 2024  
Test Performing Date : Apr 09, 2024 to Apr 25, 2024

### **Test Requested:**

EN 13501-1:2018 Fire classification of construction products and building elements – Part 1: Classification using data from reaction to fire tests

**Test Results:** -- See attached sheet --

Signed for and on behalf of  
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch



Arthur Mak  
Authorized Signatory



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**I. Test conducted**

This test was conducted as per EN 13501-1:2018 Fire classification of construction products and building elements— Part 1: Classification using data from reaction to fire tests. And the test methods as following:

1. EN ISO 9239-1:2010 Reaction to fire tests for floorings, Part 1: Determination of the burning behaviour using a radiant heat source.
2. EN ISO 11925-2:2020 Reaction to fire tests — Ignitability of products subjected to direct impingement of flame — Part 2: Single-flame source test.

**II. Details of classified product**

Sample Description	Board
Color	Yellow
Thickness	4.0 mm
Area density	8.27 kg/m <sup>2</sup>

**Mounting and fixing:**

Fibre cement board meets the requirement of EN13501-1 of Class A2-s1,d0, with its density about 1800kg/m<sup>3</sup>, thickness about 8mm, is as the substrate.

The specimens were fixed mechanically to the substrate.

Specimen width less than 230 mm, joining together two pieces of samples to 230 mm wide. Spelling a seam in the middle of the 230mm width position.

**III. Test results**

Test methods	Parameter	Number of tests	Results
EN ISO 9239-1	Critical flux (kW/m <sup>2</sup> )	3	≥ 11
	Smoke (%×minutes)		27.4
EN ISO 11925-2 Exposure = 15 s	Fs≤150mm within 20 s (Yes/No)	6	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). Above value is the mean value for the critical flux (CHF and/or HF-30) from the three same orientation specimens.



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**IV. Classification and direct field of application**

**a) Reference of classification**

This classification has been carried out in accordance with **EN 13501-1:2018**.

**b) Classification**

The product, SPC click lock Flooring (as described by the sponsor), in relation to its reaction to fire behaviour is classified:

Fire behaviour		Smoke production	
B <sub>fl</sub>	—	s	1

**Reaction to fire classification: B<sub>fl</sub>—s1**

**Remark:** The classes with their corresponding fire performance are given in annex A.

**c) Field of application**

This classification is valid for the following product parameters:

--- Characteristics as described in section II of this test report.

This classification is valid for the following end use applications:

- With all substrates classified as A1 or A2
- With mechanically fixing
- With joints

**Limitations**

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

**Warning:**

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested.

**Statement:**

This declaration of conformity is only based on the result of this laboratory activity, the impact of the uncertainty of the results was not included.

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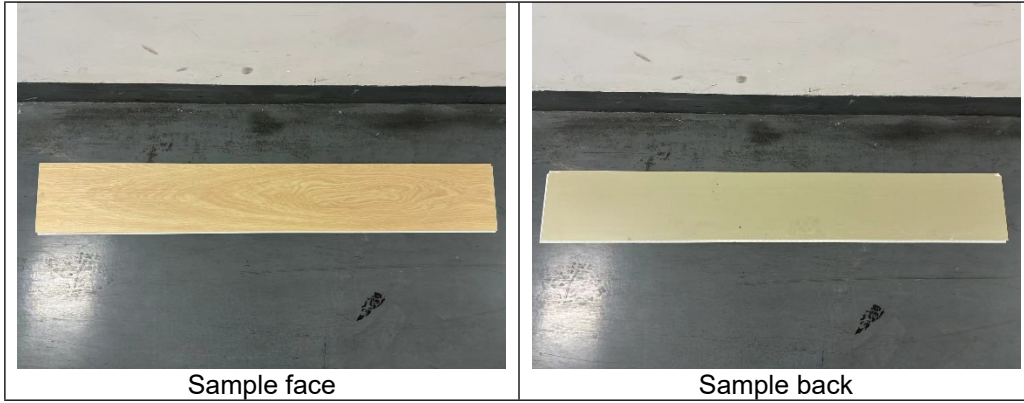
Annex A Classes of reaction to fire performance for floorings

Class	Test methods	Classification criteria	Additional classification
A1 <sub>fl</sub>	EN ISO 1182 <sup>a</sup> and	$\Delta T \leq 30^\circ\text{C}$ , and $\Delta m \leq 50\%$ , and $t_f = 0$ (i.e. no sustained flaming)	-
	EN ISO 1716	$\text{PCS} \leq 2.0\text{MJ/kg}$ <sup>a</sup> and $\text{PCS} \leq 2.0\text{MJ/kg}$ <sup>b</sup> and $\text{PCS} \leq 1.4\text{MJ/m}^2$ <sup>c</sup> and $\text{PCS} \leq 2.0\text{MJ/kg}$ <sup>d</sup>	-
A2 <sub>fl</sub>	EN ISO 1182 <sup>a</sup> or	$\Delta T \leq 50^\circ\text{C}$ , and $\Delta m \leq 50\%$ , and $t_f \leq 20\text{s}$	-
	EN ISO 1716 and	$\text{PCS} \leq 3.0\text{MJ/kg}$ <sup>a</sup> and $\text{PCS} \leq 4.0\text{MJ/m}^2$ <sup>b</sup> and $\text{PCS} \leq 4.0\text{MJ/m}^2$ <sup>c</sup> and $\text{PCS} \leq 3.0\text{MJ/kg}$ <sup>d</sup>	-
	EN ISO 9239-1 <sup>e</sup>	Critical flux <sup>f</sup> $\geq 8.0\text{kW/m}^2$	Smoke production <sup>g</sup>
B <sub>fl</sub>	EN ISO 9239-1 <sup>e</sup> and	Critical flux <sup>f</sup> $\geq 8.0\text{kW/m}^2$	Smoke production <sup>g</sup>
	EN ISO 11925-2 <sup>h</sup> Exposure = 15s	$F_s \leq 150\text{mm}$ within 20 s	-
C <sub>fl</sub>	EN ISO 9239-1 <sup>e</sup> and	Critical flux <sup>f</sup> $\geq 4.5\text{kW/m}^2$	Smoke production <sup>g</sup>
	EN ISO 11925-2 <sup>h</sup> Exposure = 15s	$F_s \leq 150\text{mm}$ within 20 s	-
D <sub>fl</sub>	EN ISO 9239-1 <sup>e</sup> and	Critical flux <sup>f</sup> $\geq 3.0\text{kW/m}^2$	Smoke production <sup>g</sup>
	EN ISO 11925-2 <sup>h</sup> Exposure = 15s	$F_s \leq 150\text{mm}$ within 20 s	-
E <sub>fl</sub>	EN ISO 11925-2 <sup>h</sup> Exposure = 15s	$F_s \leq 150\text{mm}$ within 20 s	-
F <sub>fl</sub>	EN ISO 11925-2 <sup>h</sup> Exposure = 15s	$F_s > 150\text{mm}$ within 20 s	-

<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 = 30 min.  
<sup>f</sup> 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).  
<sup>g</sup> **s1** = Smoke  $\leq 750$  % minutes;  
**s2** = not s1.  
<sup>h</sup> Under conditions of surface flame attack and, if appropriate to the end use application of the product, edge flame attack.



### Photo Appendix:



Remark: This test was subcontracted to SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch.

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



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