



## TEST REPORT

No. : XMIN2507001693CM08\_EN

Date : 2025-08-07

Page: 1 of 8

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XMIN2507001693CM08  
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CUSTOMER NAME: CHIPING JINGDA COMMERCE AND TRADE CO., LTD.

ADDRESS: THERMOELECTRIC INDUSTRIAL PARK, CHIPING COUNTY,  
LIAOCHENG CITY, SHANDONG, CHINA

Sample Name : SPC FLOORING

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

\*\*\*\*\*

SGS Ref. No. : GZMR250702397401-1

Date of Receipt : 2025-07-22

Testing Period : 2025-07-22 ~ 2025-08-07

Test result(s) : For further details, please refer to the following page(s)  
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for  
SGS-CSTC Standards Technical  
Services Co.,Ltd. Xiamen Branch.

Bryan Hong  
Authorized signatory



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SGS-CSTC Standards Technical Services Co., Ltd.  
Xiamen Branch Testing & Inspection Services Material Laboratory

No.31 Xianghong Road, Xiang'an Torch Industrial Zone, Xiamen, Fujian Province, China 361101  
中国·福建·厦门·火炬(翔安)产业区翔虹路31号

邮编: 361101

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## Summary of Results:

No.	Test Item	Test Method	Result
1	Fire Classification for Burning Behavior of Flooring Material	EN 13501-1:2018 Clause 9 & EN ISO 9239-1:2010 & EN ISO 11925-2:2020	B <sub>f</sub> -s1



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Xiamen Branch Testing Services Technical Services Division Material Laboratory

No.31 Xianghong Road, Xiang'an Torch Industrial Zone, Xiamen, Fujian Province, China 361101  
中国·福建·厦门·火炬(翔安)产业区翔虹路31号 邮编:361101

t (86-592) 5765857 [www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)  
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### 1. Test Item: Fire Classification for Burning Behavior of Flooring Material

Sample Description: A-Floor

Test Method: EN 13501-1:2018 Clause 9 & EN ISO 9239-1:2010 & EN ISO 11925-2:2020

Test Result:

Sample A

I . EN ISO 9239-1:2010 Reaction to fire tests for floorings-Part 1: Determination of the burning

behaviour using a radiant heat source

Specimen: 1050mm × 230mm × 5.02 mm

Flame application time: 10min

Mounting and fixing: Calcium silicate board, with its density about 1016kg/m<sup>3</sup>, thickness about 21.4mm, is as the substrate. The specimens were fixed mechanically to the substrate.

Specimen No.	Furthest extent of spread of flame, mm	Critical heat flux (CHF), kW/m <sup>2</sup>	Integrated smoke value, %·min
1	20	≥11	103.27
2	20	≥11	109.01
3	20	≥11	105.04
Average	20	≥11	105.8

Note:

1. Test specimens were cut from the sample.
2. Specimens that do not ignite or which spread flame less than 110 mm have a critical heat flux ≥ 11kW/m<sup>2</sup>.
3. Observations of the burning characteristics: Charring.
4. The wood grain surface was faced to the flame.

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中国·福建·厦门·火炬(翔安)产业区翔虹路31号

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t (86-592) 5765857 [www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)

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II . EN ISO 11925-2:2020 Reaction to fire tests-Ignitability of products subjected to direct impingement of flame-Part 2: Single-flame source test.

Specimen: 250mm × 90mm × 5.02 mm

Flame application time: 15s

Exposure conditions	Edge exposure			Surface exposure		
	1	2	3	1	2	3
Whether ignition occurs	No	No	No	No	No	No
Whether the flame tip reaches 150 mm above the flame application point within 20s	No	No	No	No	No	No
Whether ignition of the filter paper occurs	No	No	No	No	No	No

## Note:

1. Test specimens were cut from the sample.
2. Observations of the burning characteristics: Charring.
3. The wood grain surface was faced to the flame.

## Result:

According to the test result and classification criteria (See table 1), the submitted sample satisfies

Class B<sub>fl</sub>

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

Statement: The test results relate to the behavior 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.



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Table 1. Classes of reaction to fire performance for floorings

Class	Test method(s)	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 $t_i = 0$ (i.e. no sustained flaming)	-
	EN ISO 1716	$PCS \leq 2,0 \text{ MJ/kg}$ <sup>a</sup> and $PCS \leq 2,0 \text{ MJ/kg}$ <sup>b</sup> and $PCS \leq 1,4 \text{ MJ/m}^2$ <sup>c</sup> and $PCS \leq 2,0 \text{ MJ/kg}$ <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 $t_i \leq 20 \text{ s}$	-
	EN ISO 1716 and	$PCS \leq 3,0 \text{ MJ/kg}$ <sup>a</sup> and $PCS \leq 4,0 \text{ MJ/m}^2$ <sup>b</sup> and $PCS \leq 4,0 \text{ MJ/m}^2$ <sup>c</sup> and $PCS \leq 3,0 \text{ MJ/kg}$ <sup>d</sup>	-
	EN ISO 9239-1 <sup>e</sup>	Critical flux $i \geq 8,0 \text{ kW/m}^2$	Smoke production <sup>g</sup>
B <sub>fl</sub>	EN ISO 9239-1 <sup>e</sup> and	Critical flux $i \geq 8,0 \text{ kW/m}^2$	Smoke production <sup>g</sup>
	EN ISO 11925-2 <sup>h</sup> : Exposure = 15 s	$F_s \leq 150 \text{ mm}$ within 20 s	-
C <sub>fl</sub>	EN ISO 9239-1 <sup>e</sup> and	Critical flux $i \geq 4,5 \text{ kW/m}^2$	Smoke production <sup>g</sup>
	EN ISO 11925-2 <sup>h</sup> : Exposure = 15 s	$F_s \leq 150 \text{ mm}$ within 20 s	
D <sub>fl</sub>	EN ISO 9239-1 <sup>e</sup> and	Critical flux $i \geq 3,0 \text{ kW/m}^2$	Smoke production <sup>g</sup>
	EN ISO 11925-2 <sup>h</sup> : Exposure = 15 s	$F_s \leq 150 \text{ mm}$ within 20 s	
E <sub>fl</sub>	EN ISO 11925-2 <sup>h</sup> : Exposure = 15 s	$F_s \leq 150 \text{ mm}$ within 20 s	-
F <sub>fl</sub>	EN ISO 11925-2 <sup>h</sup> : Exposure = 15 s	$F_s > 150 \text{ mm}$ within 20 s	-

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中国·福建·厦门·火炬(翔安)产业区翔虹路31号 邮编:361101

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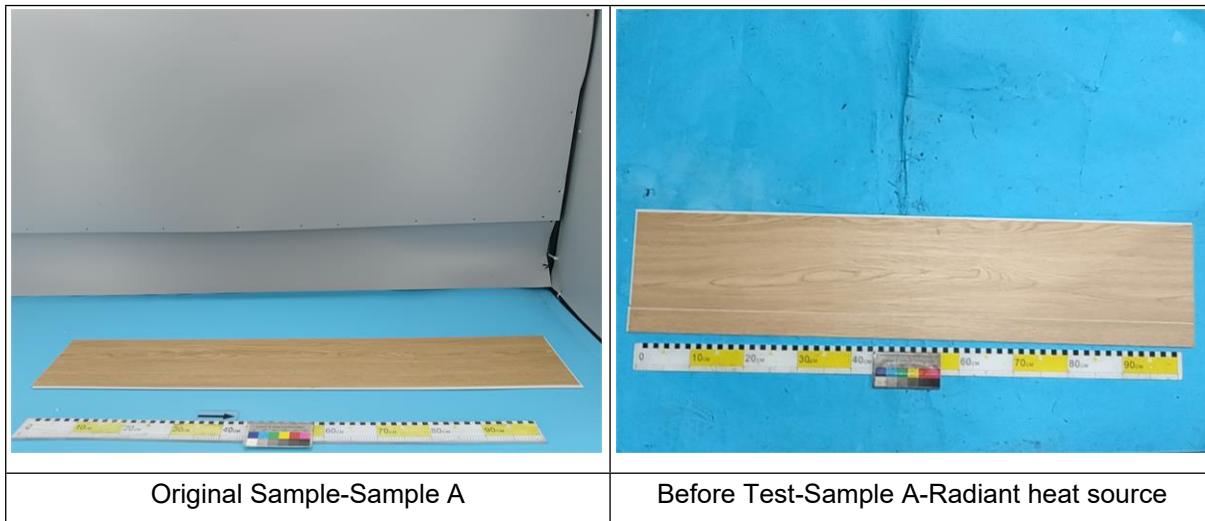
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- <sup>a</sup> For homogeneous products and substantial components of non-homogeneous products.
- <sup>b</sup> For any external non-substantial component of non-homogeneous products.
- <sup>c</sup> For any internal non-substantial component of non-homogeneous 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 ≤ 750 % minutes;
- <sup>h</sup> s2 = not s1.
- <sup>i</sup> Under conditions of surface flame attack and, if appropriate to the end use application of the product, edge flame attack

Test Photo:



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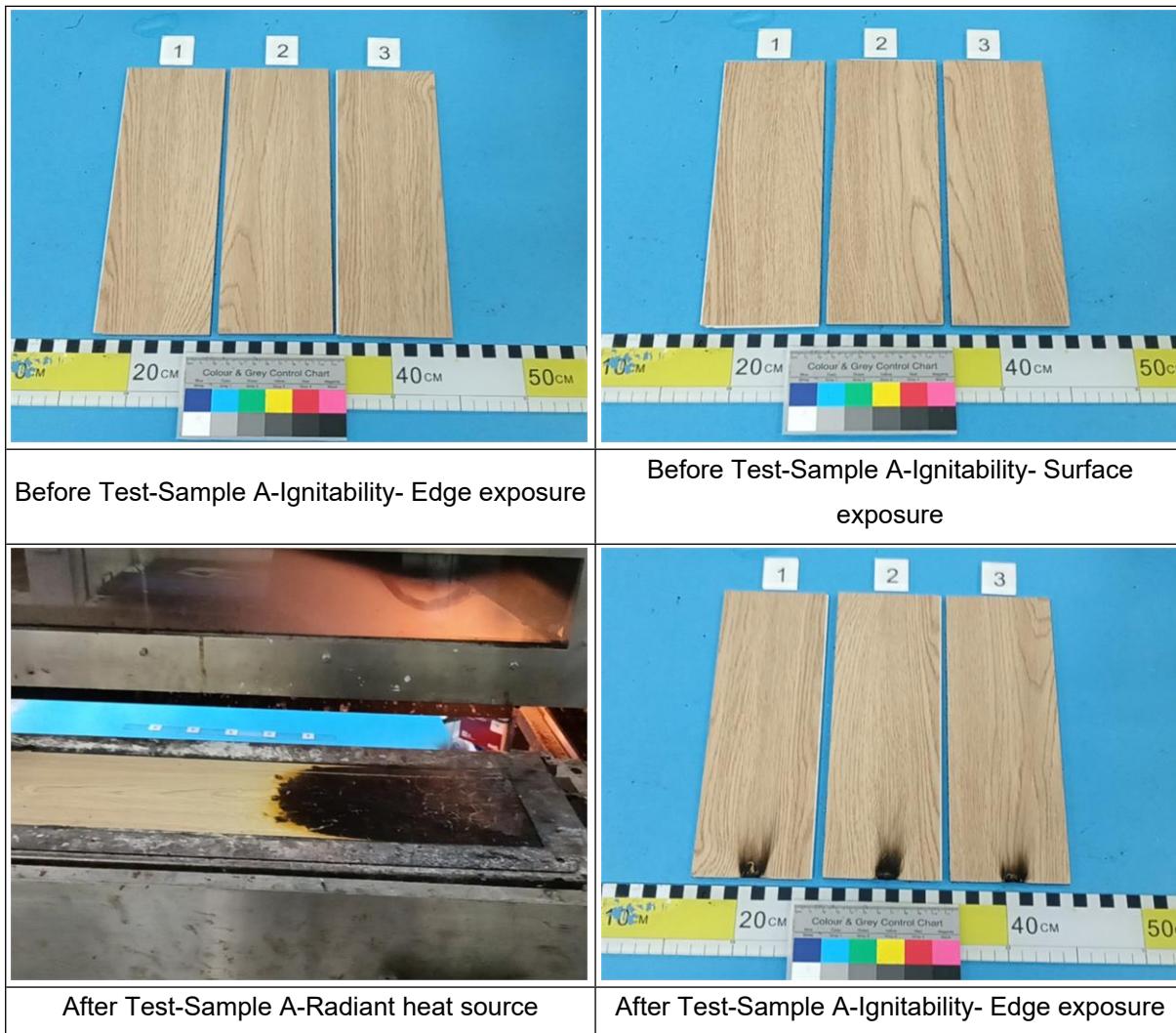
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After Test-Sample A-Ignitability- Surface exposure

Note: The above test project/method was carried out by subcontractors.

\*\*\*\*\* End of report\*\*\*\*\*



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