



中国认可
国际互认
检测
TESTING
CNAS L0167

TEST REPORT

No. : GZMR240100255801

Date : Feb 04, 2025

Page: 1 of 7

CUSTOMER NAME: HENAN ASXXOON FLOORING CO., LTD.
ADDRESS: Room 2807-1, Block E,
Hengfeng Central Plaza, Lidu Road, Hualong District,
Puyang City, Henan Province, China.

Sample Name : PVC FLOORING
Product specification : 3.0mm*2000mm*15000mm
Manufacturer : Hengfeng Central Plaza, Lidu Road, Hualong District,
Puyang City, Henan Province, China.

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. : XMIN2401000144CM01
Date of Receipt : Jan 24, 2024
Testing Start Date : Jan 24, 2024
Testing End Date : Feb 04, 2024
Test result(s) : For further details, please refer to the following page(s)

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

李叶芳
Authorized signatory

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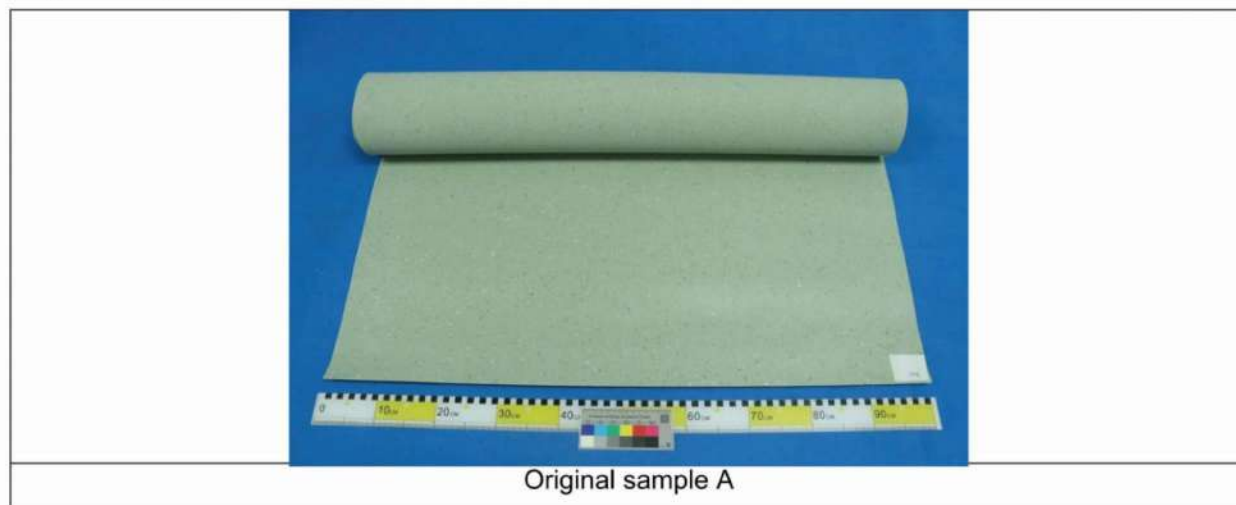
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Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Fire Classification for Burning Behavior of Flooring Material	GB 8624-2012 Section 5.1.2 & GB/T 11785-2005 & GB/T 8626-2007	GB 8624 B ₁ (B-s1)	Pass

Note: Pass : Meet the requirements;
Fail : Does not meet the requirements;
/ : Not Apply to the judgment.

Original Sample Photo:



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Test item: Fire Classification for Burning Behavior of Flooring Material

Sample Description: Floor

Test Method: GB 8624-2012 Section 5.1.2 & GB/T 11785-2005 & GB/T 8626-2007

Test result:

I . GB/T 11785-2005 Reaction to fire test for flooring—Determination of the burning behavior using a radiant heat source

Specimen: 1050mm× 230mm × 2.17mm

Flame application time: 10min

Mounting and fixing: Calcium silicate board, with its density about 1016kg/m³, 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 ²	Integrated smoke value , %·min
1	30	≥11	86.4
2	20	≥11	90.1
3	20	≥11	79.3
Average	23	≥11	85

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/m².
3. Observations of the burning characteristics: charring.
4. The bright surface was faced to the flame.



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II. GB/T 8626-2007 Test method of flammability for building materials.

Specimen: 250mm × 90mm × 2.17mm

Flame application time: 15s

Exposure conditions	Edge exposure			Surface exposure		
Specimen No.	1	2	3	1	2	3
Whether ignition occurs	Yes	Yes	Yes	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 bright surface was faced to the flame.

Result:

According to the test result and classification criteria (See table 1 & table 2), the submitted sample satisfies GB 8624-2012 Class B₁.

Combustion properties identified as: GB 8624 B₁ (B-s1)

Client's requirement: At least GB 8624 B₁

Conclusion: Pass

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.



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

^a For homogeneous products 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.



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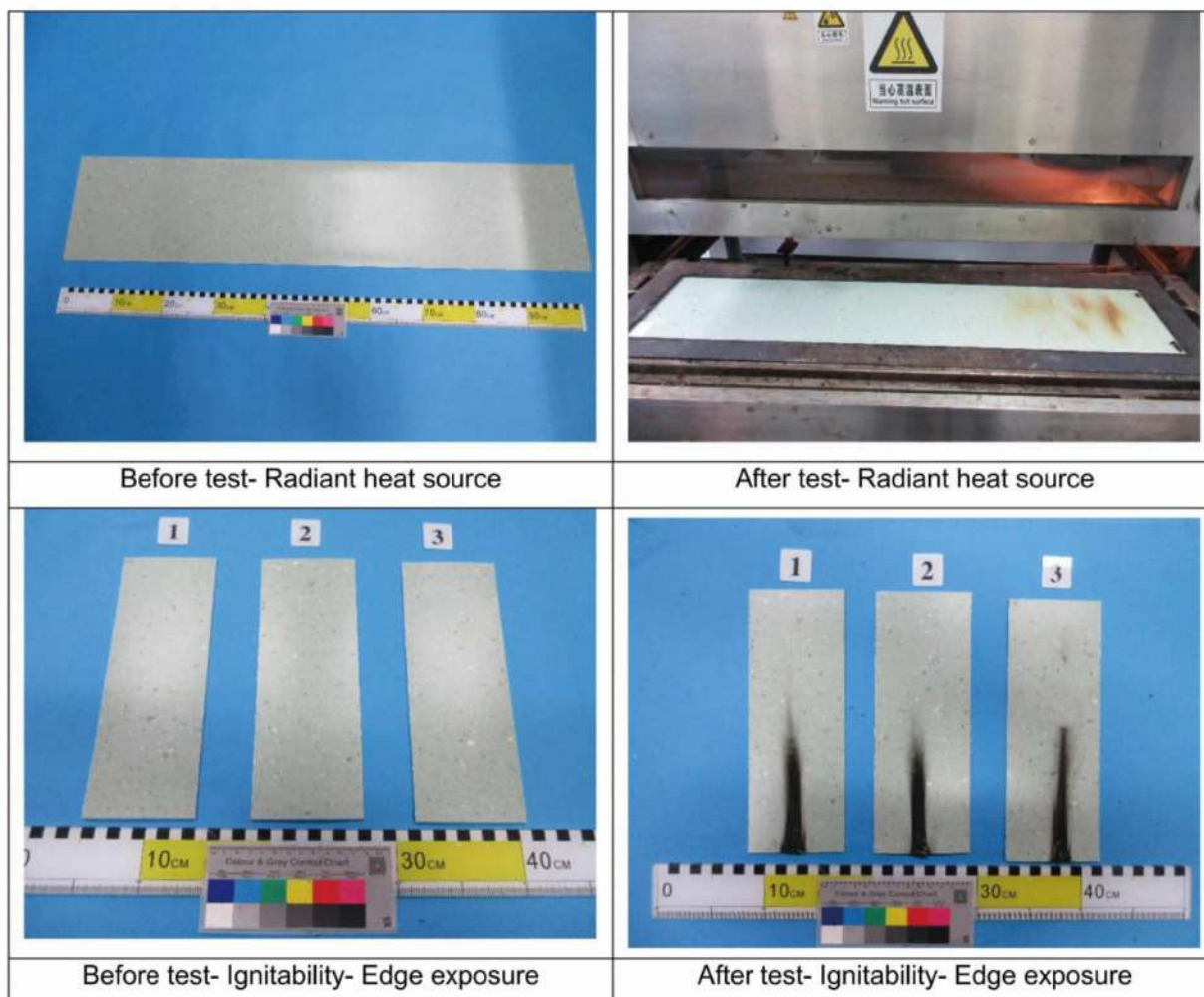
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Table 2. Smoke production levels and grading criterion

Smoke production	Test Method	Requirement
s1	GB/T 11785	Smoke ≤ 750 % \times min
s2		not s1.

Test Photo:



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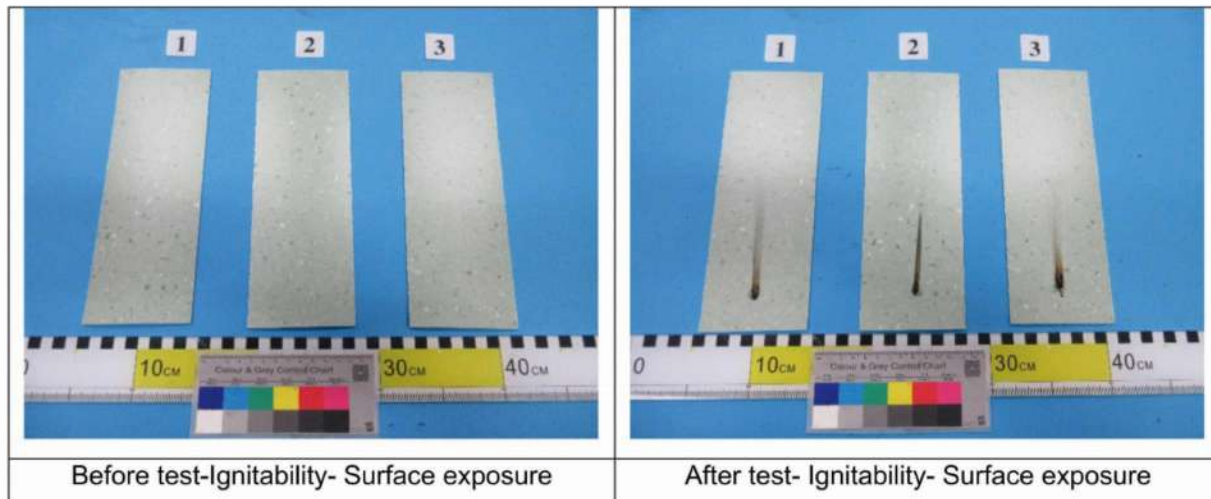
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Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Ignitability tester	SIT	GZMR-PL-E226	2024-02-20	2025-02-19
Flooring Radiant Panel Tester	FPR	GZMR-PL-E227	2024-04-21	2025-04-20

Appendix information: The current test report is the English version of report number GZMR240100255801_CN. In case of any discrepancy between Chinese version and English version, the Chinese version shall prevail.

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



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