

INSPECTION REPORT

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Report No.: 2022100756



Client	Wuji Architectural Decoration Materials (Changzhou) Co., Ltd.
Product	Resin panel
Thickness	4 mm
Test type	Type test (safety performance)

Sichuan Fire Research Institute of MEM (SCFRI)

National Fireproof Building Materials Quality Inspection and Testing Center (NFTC)

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Client	Wuji Architectural Decoration Materials (Changzhou) Co., Ltd.	Model / specification	4 mm
Manufacturer	Wuji Architectural Decoration Materials (Changzhou) Co., Ltd.	Test type	Type test (safety performance)
Submitted by	Wuji Architectural Decoration Materials (Changzhou) Co., Ltd.	Trademark	/
Sampling	Client-delivered sample	Sampling date	/
Sampling location	/	Sample received	2022-06-23
Test location	This laboratory	Test period	2022-07-01 – 2022-07-11
Sample quantity	1500×1000×4 mm, 6 pcs 1500×500×4 mm, 6 pcs 600×600×4 mm, 1 pc 250×90×4 mm, 16 pcs	Sample No.	2022100793
Basis	GB 8624-2012 "Classification for burning behavior of building materials and products"		
Test item	Burning performance, Class B1 applicable items		
Conclusion	The tested items comply with the burning-performance requirements of class B-s2, d0, t1. According to GB 8624-2012, the product reaches difficult-to-ignite class B1 (B-s2, d0, t1).		
Remarks	This report covers only the items tested. The results relate only to the specimen under the specified test conditions and cannot be the sole basis for assessing the fire hazard of the product in actual use.		

Approved:

Reviewed:

Prepared:

Sichuan Fire Research Institute of MEM (SCFRI)

National Fireproof Building Materials Quality Inspection and Testing Center (NFTC)

SUMMARY OF TEST RESULTS

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No.	Test item	Test method	Requirement	Result	Conclusion
1	Flame tip height within 60 s, mm	GB/T 8626-2007	≤ 150	50	Pass
1	Filter-paper ignition by flaming droplets	GB/T 8626-2007	Filter paper not ignited	Filter paper not ignited	Pass
2	Fire growth rate index, W/s	GB/T 20284-2006	≤ 120	31	Pass
2	Total heat release in 600 s, MJ	GB/T 20284-2006	≤ 7.5	2.6	Pass
2	Lateral flame spread	GB/T 20284-2006	Not reach long-wing edge	Not reach long-wing edge	Pass
2	Smoke growth rate index, m^2/s^2	GB/T 20284-2006	≤ 180	6	Comply
2	Total smoke production in 600 s, m^2	GB/T 20284-2006	≤ 200	55	Comply
2	Flaming droplets / particles	GB/T 20284-2006	None within 600 s	None within 600 s	Comply
3	Smoke toxicity class	GB/T 20285-2006	Reach ZA3	ZA3	Comply

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Manufacturer	Wuji Architectural Decoration Materials (Changzhou) Co., Ltd.
Address	No. 6, Building 2, No. 39 Yangang East Road, Jintan District, Changzhou
Postal code	/
Tel.	+86 159 0066 6897

1. Product description

The product is made of PETG, 4 mm thick. (Information provided by the client.)

2. Specimen mounting (GB/T 20284-2006)

1. Per clause 5.2.2 a), the air gap between specimen and substrate is 40 mm; the substrate is in contact with the backing board.
2. Substrate: 12 mm calcium silicate board, density 900 kg/m³.
3. Backing board: 12 mm calcium silicate board, density 900 kg/m³.
4. The fire-exposed face is the product surface.

3. Specimen photos



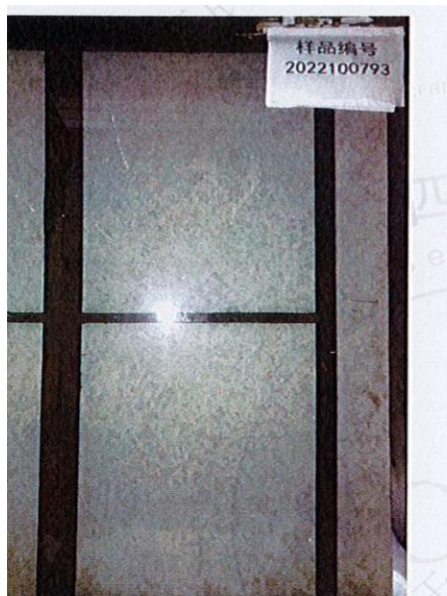
4. Test location

No. 358 Xuefu Road, Dujiangyan, Sichuan.

Remarks This report covers only the items tested. The results relate only to the specimen under the specified test conditions and cannot be the sole basis for assessing the fire hazard of the product in actual use.

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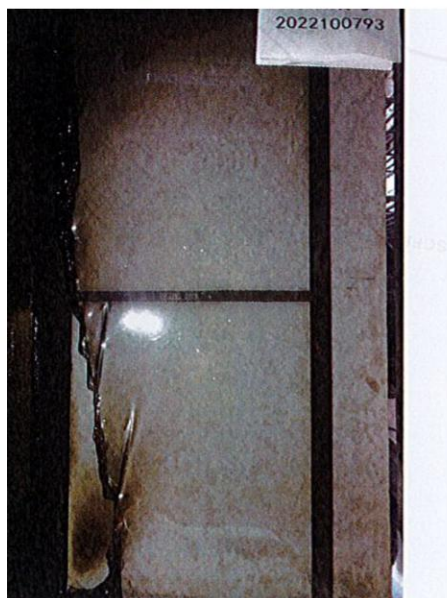
Specimen photos (GB/T 20284-2006)



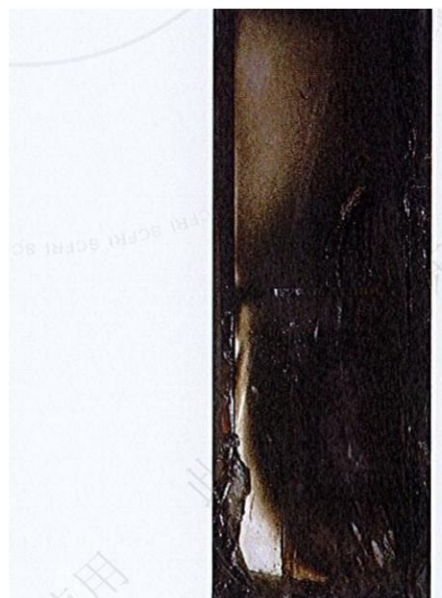
Long wing before test



Short wing before test



Long wing after test



Short wing after test