



中国认可
国际互认
检测
TESTING
CNAS L0690

TEST REPORT

Report No.: WT2024B03D00239

Entrusted by:

国检集团

Sample Name:

Aluminum Embossed thermal insulation
composite board

Test Type:

Entrustment test

China Testing & Certification International Group Co.,Ltd.
National Research Center of Testing Techniques for Building
Materials



WT2024B03D00239

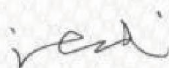
China Testing & Certification International Group Co.,Ltd.
National Research Center of Testing Techniques for Building Materials
Test Report

Report No.: WT2024B03D00239

Page 1 of 3

Sample(s) Name	Aluminum Embossed thermal insulation composite board	Test Type	Entrustment test
Client		Brand	
Manufacture		Sample State	Meet the requirements of testing
Receiving Date	May 18, 2024	Quantity of sample(s)	17m ²
Specification	Aluminum 0.5T (A3000)×16mm (polyurethane)×380mm (width)×3000mm (length)		
Test Method(s)	The method for the test items are detailed in the data page(s).	Test Date	May 19, 2024 -June 13, 2024
Judgment Standard(s)	JG/T 287-2013 The materials of external insulation system based on insulated decorative panel. ☒ GB 8624-2012 Classification for burning behavior of building materials and products.		
Test Item(s)	1、Tensile bond strength 3、Combustion performance 2、Impact resistance 4、The value of wind pressure		
Test Result(s)	*After testing, The test results of items 1 to 2 of the submitted samples meet the technical requirements of type I insulation decorative board in JG/T 287-2013. The test results of combustion performance meet the technical requirements of B₁(C-s3,d0) class fire-resistant materials(products)of flat wall insulation refractory materials (products) in the standard GB 8624-2012;See page 3 for other items test results.*  Date of issue: 2024-07-05 (Seal) 检测专用章 71-10510157921		
Remarks: The structure of metal insulation decorative board is 0.30mm galvanized steel plate (surface coated) + 16mm polyurethane board + aluminum foil protective layer, and the fire surface is Aluminium plate, provided by client.			

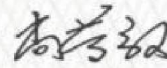
Approved by



Checked by



Compiled by



Address: No.1 Guanzhuang Dongli ,Chaoyang District, Beijing, China
Tel: 00-86-10-51167681

P.C.: 100024

China Testing & Certification International Group Co.,Ltd.
National Research Center of Testing Techniques for Building Materials
Test Report

Report No.: WT2024B03D00239

Page 2 of 3

No.	Test Item(s)		Requirements of Standard (Type I)	Test Result(s)	Individual Conclusion	Test method(s)
1	Tensile bond strength	Original strength	≥0.10MPa and the destruction occurs in the insulation material	0.15MPa, and the destruction occurs in the insulation material	Pass	JG/T 287-2013 6.3.2、6.4.3
2	Impact resistance	The first floor of building	10J passed	10J passed	Pass	JG/T 287-2013 6.4.4
		Others	3J passed	3J passed	Pass	
3	Combustion performance B ₁ (C-s3,d0)	FIGRA _{0.4MJ}	≤250W/s	208W/s	Pass	GB/T 20284-2006
		THR _{600s}	≤15MJ	5MJ	Pass	
		Lateral spreading of the flaming	Not reach the edge of long limb	Not reach the edge of long limb	Pass	
		Flame height in 60s	≤150mm	F _s <150mm	Pass	GB/T 8626-2007
		Burning dripping in 60s	No ignition phenomeono of filter paper	No ignition phenomeono of filter paper	Pass	
		TSP _{600s}	Do not comply with the s2 criteria	Do not comply with the s2 criteria	Pass	GB/T 20284-2006
		SMOGRAM			Pass	
		Flaming droplets/partic les	No flaming droplets/particles within 600s	No flaming droplets/partic les within 600s	Pass	

Sample installation instructions :

1、 The sample is installed in accordance with GB/T 20284-2006 5.2.2b).

2、 The back plates of the sample are two calcium silicate boards of thickness 12mm, density 800kg/m³, size 1000mm×1500mm and 570mm×1500mm.

3、 The sample is non-homogeneous products. And the fire surface is the decorative surface.

Annotations: 1、 Item 1 ~ 3 test location:Guanzhuang. Item 4 test location:Miyun.

2、 The results of the combustion performance test are only related to the performance of the product's sample under specific test conditions, and it cannot be used as the only basis for evaluating the potential fire hazard of the product in actual use.

Address: No.1 Guanzhuang Dongli ,Chaoyang District, Beijing, China
 Tel: 00-86-10-51167681

P.C.: 100024

China Testing & Certification International Group Co.,Ltd.
National Research Center of Testing Techniques for Building Materials
Test Report

Report No.: WT2024B03D00239

Page 3 of 3

No.	Test Item(s)	Standard requirement	Test Result(s)	Individual Conclusion	Test method(s)
4	The value of wind pressure	/	3kPa	/	GB/T 36585-2018

Installation of wind pressure test specimens:

The wind pressure sample area around 5.7m². Drilling a small hole with diameter of 15mm per square meter on the base wall, connected with the external insulation system.

Place the sample (3000mm×383mm×16mm) horizontally arranged. Each board edge is fixed to the base wall with nylon expansion bolts every 300mm interval. Approximately 22 nylon expansion bolts were used on each board. The connection between boards is a plug-in interface lap joint method. Seal the outer edges of the sample with silicone sealant between the wall and the overlapping edges of the board.



Annotations: (Blank)

—————End of the Report—————

Address: No.1 Guanzhuang Dongli ,Chaoyang District, Beijing, China
Tel: 00-86-10-51167681

P.C.: 100024