



TEST REPORT

	Report No.: W12022B03D00151E
Entrusted by:	
	Metal Embossed thermal insulation
Sample Name:	composite board
Test Type:	Entrustment test

China Testing & Certification International Group Co.,Ltd.

National Research Center of Testing Techniques for

Building Materials









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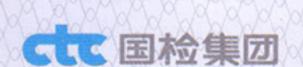
Keportino	W 12UZZBUSDUUISIE		Page 1 01 4		
Sample(s) Name	Metal Embossed thermal insulation composite board	Test Type	Entrustment test		
Client		Brand			
Manufacture		Sample State	Meet the requirements of testing		
Receiving Date	March 21, 2022	Quantity of sample(s)	17m²		
Production Date		Model/Size	4000mm×383mm ×16mm		
Test Method(s)	The method for the test items are detailed in the data page(s).	Test Date	March 23-May 16, 2022		
Judgment Standard(s)	GB 8624-2012 "Classification for burn products"	ing behavior of	building materials and		
Test Item(s)	Combustion performance B_1 (C-s3, d0)and impact resistance are 5 items in total. See page 2 ~ 4 for details.				
Test Result(s)	*According to GB 8624-2012 performance (composite board) complete building materials and products level B (products); Test results of other items are	ys with the req	uirement of flat-panel me retardant materials 3~4.*		

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 receiving surface of the sample is the decorative surface, provided by client.

Approved by 记述 Verified by 型态英 Compiled by 刘俊志

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No.	Test Item(s) (Composite board)		Requirements of Standard	Test Result(s)	Individual Conclusion	Test method(s)
performance B ₁ (C		Flame height in 60s	Fs≤150mm	Fs < 150mm	Pass	GB/T 8626-2007 GB/T 20284-2006
		Flaming droplets in 60s	No ignition phenomenon of filter paper	No ignition phenomenon of filter paper	Pass	
	Carrie	Fire growth rate index (FIGRA _{0.4MJ})	≤250W/s	185W/s	Pass	
	us-tion perfor	Total flue gas generation in 600s (THR _{600s})	≤15MJ	7MJ	Pass	
	ance B ₁ (C-	Horizontal flame spread	Not reach the edge of long limb	Not reach the edge of long limb	Pass	
	s3,d0)	Total flue gas generation in 600s (TSP _{600s})		s2 not reached	Pass	
		Smoke growth rate index (SMOGRA)	s2 not reached		Pass	
		Burning dripping/particles	No burning dripping/particles in 600s	No burning dripping/parti- cles in 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, density800kg/m³, size 1000mm×1500mm and 570mm×1500mm.
 - 3. The fire receiving surface of the sample is the decorative surface.

Remarks: 1. Testing location: Guanzhuang.

2. Fire classification 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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No.		Item(s) site board)	Requirements of Standard			Test method(s)
2	Impact	Used for the first floor of buildings		10J impact qualified		JG/T 287-2013
	resistance	Other floors		3J impact qualified		6.4.4
3	Tensile bonding strength	Original strength		0.24MPa, Thermal insulation material damage		JG/T 287-2013 6.5.1
4	Wind pressure resistance value		国於製	9.9kPa, The sample is not damaged		GB/T 36585-2018

(Blank below)

Remarks: (provided by the client) preparation of wind pressure resistant sample: 4000mm × 383mm × 16mm sample cut into 3000mm × 383mm × 16mm and arranged horizontally on the base wall; The upper edge of each plate is fixed with nylon expansion bolts, and the number of nylon expansion bolts is 4/piece; The connection between the plates is in the form of joint lapping, and the outer edge around the sample and the wall are sealed with silicone sealant.

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No.	Test Item (Polyurethane board)	Requirements of Standard	Test Result(s)	Individual Conclusion	Test method(s)
5	Oxygen index		30.1%		GB/T 2406.2-2009

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Remarks: Fire classification 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.

End of the Report

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