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TEST REPORT

Report Number: WT2024B03A00618

Client: Jiangsu Baidai Energy-saving Building Materials Co., Ltd.

Product Name: Flexible Decorative Sheet
(Modified Inorganic Powder Composite Building Decorative Sheet)

Test Category: Commissioned Testing

Special Seal for Testing of China Testing & Certification International Group Co., Ltd. (sealed)
 China Testing & Certification International Group Co., Ltd.
 National Center for Building Materials Testing



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Product Name	Flexible Decorative Sheet (Modified Inorganic Powder Composite Building Decorative Sheet)	Test Category	Commissioned Testing
Client	Jiangsu Baidai Energy-saving Building Materials Co., Ltd.	Brand	Qimei
Manufacturer	Jiangsu Baidai Energy-saving Building Materials Co., Ltd.	Sample Condition	Meets testing requirements
Sample Receipt Date	May 16, 2024	Sample Quantity	12m ²
Production Date / Batch No.	—	Model/Specification	—
Test Basis	See data page for the test basis of each item.	Test Date	May 21, 2024 June 05, 2024
Criteria for Assessment	GB 8624-2012 "Classification for burning behavior of building materials and products"		
Test Item(s)	Burning Behavior		
Test Conclusion	*The test results for the burning behavior of the submitted sample comply with the technical requirements for Class A (A2-s1, d0) non-combustible materials (products) for flat building materials as specified in GB 8624-2012. Test results are detailed on the data page.* Issue Date: (Testing Special Seal)		
Note: (Blank)			

Approved by: Song Jianwei (signature)

Reviewed by: Zeng Chunyan

Prepared by: 

Testing Organization Address: No.1 Guanzhuang Dongli, Chaoyang District, Beijing, China

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No.	Test Item(s)	Standard Requirement	Test Result	Single Item Conclusion	Test Basis	
1	Burning Behavior A (A2-s1, d0) Class	Total Heat of Combustion	$\leq 3.0\text{MJ/kg}$	0.9MJ/kg	Compliant	GB/T 14402-2007
		Fire Growth Rate Index (FIGRA0.2MJ)	$\leq 120\text{W/s}$	6W/s	Compliant	
		Total Heat Release within 600s (THR600s)	$\leq 7.5\text{MJ}$	1.0MJ	Compliant	
		Lateral Flame Spread	Did not reach the long-wing edge of the specimen	Did not reach the long-wing edge of the specimen	Compliant	
		Smoke Growth Rate Index (SMOGRA)	$\leq 30\text{m}^2/\text{s}^2$	$0\text{m}^2/\text{s}^2$	Compliant	
		Total Smoke Production within 600s (TSP600s)	$\leq 50\text{m}^2$	20m^2	Compliant	
		Burning Droplets/Particles	No burning droplets/particles within 600s	No burning droplets/particles within 600s	Compliant	
Sample Mounting Instructions	1. The specimen was mounted according to the provisions of Clause 5.2.2 b) in GB/T 20284-2006; 2. The backing board used for mounting the specimen was calcium silicate board with a thickness of 12mm and density of 800kg/m ³ ; dimensions 1500mm × 1000mm, 1500mm × 570mm; 3. The fire-exposed surface of the specimen was any one surface.					
Remarks: 1. Test location: Guanzhuang; 2. The results of this test are only related to the performance of the specimen under specific test conditions and should not be used as the sole basis for evaluating the potential fire risk of the product in actual use.						

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Introduction to CTC Group

China Testing & Certification International Group Co., Ltd. (Chinese abbreviation: CTC Group, English abbreviation: CTC, Stock Code: 603060) has, through nearly seventy years of relentless effort and persistent pursuit, developed into a highly influential, comprehensive, third-party inspection and certification service institution in the fields of building materials and construction engineering in China. As the first A-share listed company with "China" in its name integrating inspection and certification, CTC has branches across the country and oversees more than thirty national and industry-level testing laboratories. It can provide comprehensive solutions regarding quality, safety, environmental protection, green development, and energy efficiency for various clients, including building material production enterprises, construction projects, decoration and renovation projects, railway and rail transit projects, municipal engineering, power engineering, industrial kilns, renewable resources, new energy, and home life.

CTC Group consistently drives enterprise development with "technological innovation", adheres to the core philosophy of "impartiality as the foundation, serving society", safeguards the enhancement of client brand value and the sustainable development of the industry, and contributes to the realization of national initiatives like "Quality Country" and the "Belt and Road".

For more details, visit the company's official website: <http://www.ctc.ac.cn/>



Test Report

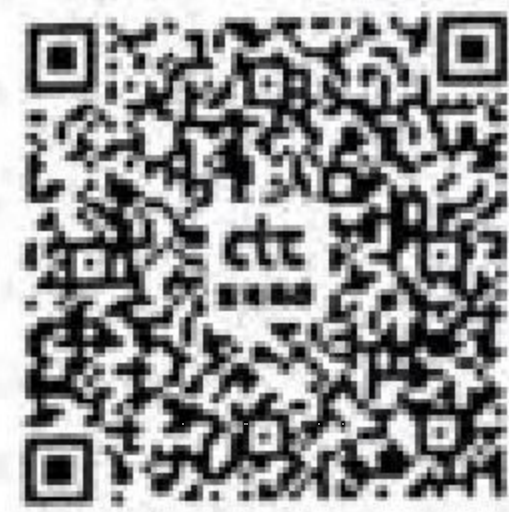
Report Number: XJ2024B01C01015

Client: Jiangsu Baidai Energy-saving Building Materials Co., Ltd.

Product Name: Flexible Decorative Sheet
(Modified Inorganic Powder Composite Building Decorative Sheet)

Test Category: Type Testing

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Product Name	Flexible Decorative Sheet (Modified Inorganic Powder Composite Building Decorative Sheet)	Test Category	Type Testing
Client	Jiangsu Baidai Energy-saving Building Materials Co., Ltd.	Sample Source	Commissioned
Manufacturer	Jiangsu Baidai Energy-saving Building Materials Co., Ltd.	Brand	Qimei Ruanshi
Sample Receipt Date	May 16, 2024	Sample Condition	Sheets intact
Sample Quantity	22 pieces	Model/Specification	Grade 1 MCM-(EW-R-C) 500mm×500mm×2.6mm
Production Date/Batch No.	May 08, 2024 / 20240508-01	Test Date	May 20, 2024 - October 29, 2024
Test Basis	See data page for the test basis of each item.		
Criteria for Assessment	JC/T 2219-2014 (2017) "Modified inorganic powder composite building decorative sheet"		
Test Item(s)	All performance items for indoor wall surfaces and outdoor wall surfaces according to JC/T 2219-2014(2017) standard.		
Test Conclusion	<p><i>The test results for the inspected items (Items 1~10) of the submitted sample comply with the technical requirements for indoor wall surfaces and outdoor wall surfaces specified in JC/T 2219-2014(2017) "Modified inorganic powder composite building decorative sheet". Test results are detailed on pages 2~3, test results for the surface skin are detailed on page 3.</i></p> <p>Signing date: November 4, 2024 (Special Seal for Testing) Special Seal for Testing of China Testing & Certification International Group Co., Ltd. (sealed)</p>		
Note: (Blank)			

Approved by:

李永涛
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Reviewed by:

曹彦征

Prepared by: Cao Yanzheng (signature)

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No.	Test Item	Standard Requirement		Test Result	Single Item Conclusion	Test Basis
		Indoor Wall	Outdoor Wall			
1.	Appearance Quality Surface Defects	Through cracks or holes, delamination	Not allowed	No through cracks or holes, delamination	Compliant	JC/T 2219-2014(2017)6.3
		Chipped edges, broken corners, holes, blisters, color difference	No obvious defects, color difference	No obvious defects, color difference	Compliant	
2.	Dimensional Tolerance	Length (cut type)	±1mm	-1mm	Compliant	JC/T 2219-2014(2017)6.4.1, 6.4.2
		Width (cut type)	±1mm	-1mm	Compliant	
3.	Water Absorption		≤15%, specimen shows no blistering, cracking, delamination, or powdering	9%, specimen shows no blistering, cracking, delamination, or powdering	Compliant	JC/T 2219-2014(2017)6.5 GB/T 9966.3-2001 4.1
4.	Frost Resistance*		No cracks, powdering, delamination or other damage on surface after 15 cycles	No cracks, powdering, delamination or other damage on surface after 15 cycles	Compliant	JC/T 2219-2014(2017)6.6 JG/T 25-2017
5.	Heat Resistance	Dimensional Change Rate	≤0.5%	0.3%	Compliant	JC/T 2219-2014(2017)6.7 GB/T 4085-2015 6.5
		Surface	No tackiness or blistering observed.	No tackiness or blistering observed.	Compliant	

Remarks: 1. Test location: Guanzhuang.

2. Standard requirement: "Required to be tested when climate conditions necessitate!"

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No.	Test Item	Standard Requirement		Test Result	Single Item Conclusion	Test Basis	
		Indoor Wall	Outdoor Wall				
6.	Artificial Weathering Resistance	Aging Time	—	2000h	2000h	Compliant	
		Appearance	No blistering, cracking, or delamination		No blistering, cracking, or delamination	Compliant	JC/T 2219-2014(2017) 6.9 GB/T 16259-2008 GB/T 1766-2008
		Chalking	≤ Grade 1		Grade 1	Compliant	
		Color Change	≤ Grade 2		Grade 1	Compliant	
7.	Stain Resistance	≤ Grade 2 (for embossed surfaces)	Grade 1	(for embossed surfaces)	Compliant	GB/T 9780-2013	
8.	Chemical Corrosion Resistance	Acid Resistance	No cracking, delamination, or obvious discoloration on surface		No cracking, delamination, or obvious discoloration on surface	Compliant	JC/T 2219-2014(2017) 6.14
		Alkali Resistance	No cracking, delamination, or obvious discoloration on surface		No cracking, delamination, or obvious discoloration on surface	Compliant	
9.	Limit of Harmful Substances	TVOC	≤10g/m ²	—	8.4g/m ²	Compliant	GB 18586-2001 5.5
		Soluble Lead	≤20mg/m ²	—	1.02 mg/m ²	Compliant	GB 18586-2001 5.4
		Soluble Cadmium	≤20mg/m ²	—	Not Detected	Compliant	
10.	Limit of Radionuclides	I_{Ra}	≤1.0	—	0.0'	Compliant	GB 6566-2010
		I_r	≤1.3	—	0.0'	Compliant	
11.	Flexibility ^b	As agreed		No cracks at diameter 200mm	—	JC/T 2219-2014 (2017) 6.12	

Remarks: 1. Test location: Guanzhuang.
 2. Standard requirement: ^b Tested when required in the contract between supplier and purchaser.
^c Minor color change is allowed.
 3. Not Detected Note: Soluble Cadmium <0.1mg/m².

-----END OF REPORT-----

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