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中国认可
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检测
TESTING
CNAS L0690

TEST REPORT

Report No.: WT2024B01C03421E

Entrusted by: Hunan Jingye New Material Technology Co., Ltd

Sample Name: Flexible Stone

Test Type: Entrustment test

China Testing & Certification International Group Co., Ltd.

National Research Center of Testing Techniques for Building Materials

WT2024B01C03421

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Test Report

Report No.: WT2024B01C03421E

Sample Name	Flexible Stone	**Test Type**	Entrustment test
Entrusted by	Hunan Jingye New Material Technology Co., Ltd	**Trademark**	Xiang Jing Ye FLEXI STONE
Manufacturer	Hunan Jingye New Material Technology Co., Ltd	**Sample Status**	Meet the requirements of testing
Reception Date	November 13, 2024	**Sample Quantity**	Factory specification 20 pieces; 100mm×100mm 20 pieces; 150mm×70mm 20 pieces; 250mm×250mm 3 pieces; 250mm×50mm 3 pieces; 100mm×10mm 3 pieces; 12m^2; 2kg
Production Date/ Batch No.	——	**Model/Size**	——
Test Method	Shown on each data sheet.	**Test Date**	November 14, 2024 - March 20, 2025
Criterion	JC/T 2219-2014(2017) Modified inorganic powder composite building decoration material GB 8624-2012 Classification for burning behavior of building materials and products		
Test Item	12 items including surface quality, water absorption etc., as shown on the data pages.		
Conclusion	*Upon testing, the test results （items 1~10）comply with the requirements metope and ground for indoor and outdoor of JC/T 2219-2014(2017), as shown on the page 2~4. The result of flexibility is shown on the page 4..According to GB 8624-2012, the test results of fire classification comply with the requirements of non-combustible flat building materials and products of A（A2-s1,d0）, as shown on the page 5. * **Date of issue:** 25-03-26 **(Seal)**		
Remark: (Blank)			

Approved by 徐静宇 Checked by 李秋萍 Compiled by 曹艳征

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No.	Test Item		Requirement of Criterion				Test Result	Item Conclusion	Test Method
			Indoor		Outdoor				
			Metope	Ground	Metope	Ground			
1.	Surface quality	Perfoliate crack or hole, layering	Not allow				No perfoliate crack, hole and layering	Pass	JC/T 2219 -2014(2017) 6.3
		Chipped edge, arris defect, hole,blister, color difference	No obvious defects and color difference				No obvious defects and color difference	Pass	
2.	Water absorption		≤15%, the test specimen has no bulking, no cracking, no layering, no chalking				2%, the test specimen has no bulking, no cracking, no layering, no chalking	Pass	JC/T 2219-2014(2017) 6.5 GB/T 9966.3-2001 4.1
3.	Freezing resistance[a]		——		The surface has no cracking, no chalking, no layering after 15 times		The surface has no cracking, no chalking, no layering after 15 times	Pass	JC/T 2219-2014(2017) 6.6 JG/T 25-2017
4.	Heat resistance	Rate of dimensional change	≤0.5%				0.3%	Pass	JC/T 2219-2014(2017) 6.7 GB/T 4085-2015 6.5
		Surface	No tacky, no blister				No tacky, no blister	Pass	

Remark: 1. Test location: GuanZhuang.
2.Standard requirements: [a] The test is required when climatic conditions require it.

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No.	Test Item		Requirement of Criterion				Test Result	Item Conclusion	Test Method
			Indoor		Outdoor				
			Metope	Ground	Metope	Ground			
5.	Artificial weathering resistance	Time	——		2000h		2000h	Pass	JC/T 2219-2014(2017) 6.9 GB/T 16259-2008 GB/T 1766-2008
		Appearance	No blistering, cracking or layering				No blistering, cracking or layering	Pass	
		Chalking	⩽1 rank				1 rank	Pass	
		Colour change	⩽2 rank				1 rank	Pass	
6.	Skid resistance (Static coefficient of friction F_W)		——	⩾0.5	——	⩾0.5	0.78	Pass	GB/T 4100-2006 Aappendix M
7.	Dirt pickup resistance		⩽2 rank (Scraggy surface)				2 rank	Pass	GB/T 9780-2013

Remarks:1. Test location: GuanZhuang.

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No.	Test Item		Requirement of Criterion				Test Result	Item Conclusion	Test Method
			Indoor		Outdoor				
			Metope	Ground	Metope	Ground			
8.	Chemical resistance[c]	Acid resistance	The surface has no cracking, no layering, no obvious discoloration				The surface has no cracking, no layering, no obvious discoloration	Pass	JC/T 2219-2014 (2017) 6.14
		Alkali resistance	The surface has no cracking, no layering, no obvious discoloration				The surface has no cracking, no layering, no obvious discoloration	Pass	
9.	Limit of harmful substances	TVOC	≤10g/m²		——		2.0g/m²	Pass	GB 18586-2001 5.5
		Soluble lead	≤20mg/m²		——		Not detected	Pass	GB 18586-2001 5.4
		Soluble cadmium	≤20mg/m²		——		Not detected	Pass	
10.	Limits of radionuclides	I_{Ra}	≤1.0		——		0.0⁺	Pass	GB 6566-2010
		I_r	≤1.3		——		0.0⁺	Pass	
11.	Flexibility[b]		Agreed				ϕ200mm, no cracking	——	JC/T 2219-2014 (2017) 6.12

Remarks: 1. Test location: GuanZhuang.
2. Standard requirements: [b]The test is required when agreed in the contract between supply and demand.
[c]Small variations in color are allowed.
3. Not detected: Soluble lead, Soluble cadmium < 0.1mg/m².

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No.	Test Item		Requirement of Criterion GB 8624-2012	Test Result	Item Conclusion	Test Method
12.	Fire classification A (A2-s1, d0)	PCS	≤3.0MJ/kg	0.6MJ/kg	Pass	GB/T 14402-2007
		$FIGRA_{0.2MJ}$	≤ 120W/s	60W/s	Pass	GB/T 20284-2006
		LFS	< edge of specimen	< edge of specimen	Pass	
		THR_{600s}	≤ 7.5MJ	1.5MJ	Pass	
		SMOGRA	≤ $30m^2/s^2$	$0m^2/s^2$	Pass	
		TSP_{600s}	≤$50m^2$	$24m^2$	Pass	
		Flaming droplets/particles	No flaming droplets/ particles within 600s	No flaming droplets/ particles within 600s	Pass	

(Fire classification Sample Installation Instructions)
1. Test samples were installed in accordance with GB/T 20284-2006 5.2.2 b).
2.Backing board (fiber reinforced calcium silicate boards) size: thickness 12mm, density 800kg/m^3, 1500mm×1000mm,1500mm×570mm.
3. The homogeneous test specimen surface by the fire was decorative surface.

Annotations:
1. Test address: Miyun .
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.
3.Sample thickness 3mm.

End of the report

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