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检测
TESTING
CNAS L0690

TEST REPORT

Report No.: WT2024B01B00234E

Entrusted by:

Yaret Industrial Group Co.,Ltd

Sample Name:

Aluminum honeycomb composite panel

Test Type:

Entrustment test

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



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Sample(s) Name	Aluminum honeycomb composite panel	Test Type	Entrustment test
Client	Yaret Industrial Group Co.,Ltd	Brand	YARET
Manufacture	Jiangsu Yaret Technology Industrial Park Co.,LTD	Sample State	Meet the requirements of testing
Receiving Date	February 27, 2024	Quantity of sample(s)	See notes
Production Date	January 2, 2024 /20240102	Model/Size	AHP-F-FC20mm -1.0mm/0.7mm Three layers of coating Roller coating
Test Method(s)	The method for the test items are detailed in the data page(s).	Test Date	February 28th to April 1st, 2024
Judgment Standard(s)	JG/T 334-2012 Aluminum honeycomb composite panel for facade wall		
Test Item(s)	See data page for details.		
Test Result(s)	<p>*Upon testing, the test results comply with the requirements of JG/T 334-2012 Aluminum honeycomb composite panel for facade wall for FC Two layers roller coating, See data page for details.*</p> <p style="text-align: right;">Date of issue: 2024-04-15 (Seal) </p>		
<p>Remarks: 1、 Sample quantity : 500mm×500mm 3 PCS.100mm×100mm 12 PCS.80mm×350mm 18 PCS. 60mm×60mm 12 PCS.60mm×150mm 6 PCS.100mm×800mm 9 PCS.1000mm×1000mm 3 PCS. 350mm×350mm 6 PCS.</p> <p>(Provided by the commissioning unit) 2. Sample number: YT-001; 3. YARET brand.</p>			

Approved by 

Checked by 

Compiled by 

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

P.C.: 100024

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No.	Test Item(s)		Requirements of Standard(s)	Test Result(s)	Individual Conclusion	Test method(s)
1	Thickness of aluminum plate	Front	$\geq 1.00\text{mm}$	1.00mm	Pass	JG/T 334-2012 7.5
		Back	$\geq 0.70\text{mm}$	0.70mm	Pass	GB/T 17748-2008 7.5
2	Film thickness		Avg. $\geq 32\mu\text{m}$ Min. $\geq 31\mu\text{m}$	Avg. $32\mu\text{m}$ Min. $31\mu\text{m}$	Pass	JG/T 334-2012 7.6 GB/T 17748-2008 7.6 GB/T 4957-2003
3	Surface hardness		$\geq \text{HB}$	2H (CHUNG HWA Pencil)	Pass	JG/T 334-2012 7.7.1 GB/T 6739-2006
4	Gloss difference		≤ 10	1	Pass	JG/T 334-2012 7.7.2 GB/T 17748-2008 7.7.2 GB/T 9754-2007
5	Flexibility		$\leq 2\text{T}$	2T	Pass	JG/T 334-2012 7.7.3 GB/T 17748-2008 7.7.3
6	Coating adhesion	Standard laboratory condition	Rating 0	Rating 0	Pass	JG/T 334-2012 7.7.4 GB/T 17748-2008 7.7.4 GB/T 9286-2021
7	Abrasion resistance		$\geq 5\text{L}/\mu\text{m}$	$5.3\text{L}/\mu\text{m}$	Pass	JG/T 334-2012 7.7.5 GB/T 23443-2009 附录 B
8	Hydrochloric acid resistance		Unchanged	Unchanged	Pass	JG/T 334-2012 7.7.6
9	Oil resistance		Unchanged	Unchanged	Pass	GB/T 17748-2008 7.7.7

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No.	Test Item(s)	Requirements of Standard(s)	Test Result(s)	Individual Conclusion	Test method(s)	
10	Alkali resistance	No abnormal phenomena such as bubble, heave and chalking etc. $\Delta E \leq 2$	No abnormal phenomena such as bubble, heave and chalking etc. $\Delta E = 0.4$	Pass	JG/T 334-2012 7.7.6 GB/T 17748-2008 7.7.8 GB/T 11942-2022	
11	Nitric acid resistance	No abnormal phenomena such as bubble, heave and chalking etc. $\Delta E \leq 5$	No abnormal phenomena such as bubble, heave and chalking etc. $\Delta E = 0.8$	Pass	JG/T 334-2012 7.7.6 GB/T 17748-2008 7.7.9 GB/T 11942-2022	
12	Solvent resistance	No exposure of substrate	No exposure of substrate	Pass	GB/T 17748-2008 7.7.10	
13	Contamination resistance	$\leq 5\%$	2%	Pass	GB/T 17748-2008 7.7.11 GB/T 9780-2013 5.4 A Method	
14	Climbing drum peel	Avg.	$\geq 50N \cdot mm/mm$	60N · mm/mm	Pass	JG/T 334-2012 7.7.12 GB/T 1457-2005
		Min.	$\geq 40N \cdot mm/mm$	56N · mm/mm	Pass	
15	Flatwise tensile strength	Avg.	$\geq 0.8MPa$	2.3MPa	Pass	JG/T 334-2012 7.7.13 GB/T 1452-2005
		Min.	$\geq 0.6MPa$	1.9MPa	Pass	
16	Flatwise compression strength	$\geq 0.8MPa$	1.0MPa	Pass	JG/T 334-2012 7.7.14	
17	Flatwise compressive elastic modulus	$\geq 30MPa$	109MPa	Pass	GB/T 1453-2005	
18	Flatwise shear strength	$\geq 0.5MPa$	0.6MPa	Pass	JG/T 334-2012 7.7.15	
19	Flatwise shear elastic modulus	$\geq 4.0MPa$	7.1MPa	Pass	GB/T 1455-2005	

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No.	Test Item(s)	Requirements of Standard(s)	Test Result(s)	Individual Conclusion	Test method(s)	
20	Bending rigidity	$\geq 1.0 \times 10^8 \text{N} \cdot \text{mm}^2$	$1.1 \times 10^9 \text{N} \cdot \text{mm}^2$	Pass	JG/T 334-2012 7.7.16	
21	Shear stiffness	$\geq 1.0 \times 10^4 \text{N}$	$1.1 \times 10^5 \text{N}$	Pass	GB/T 1456-2005	
22	Impact resistance	No obvious deformation and failure.	No obvious deformation and failure.	Pass	JG/T 334-2012 7.7.17 GB/T 21086-2007 Annex F	
23	Boiling waterresistance	Appearance	No abnormality	No abnormality	Pass	GB/T 17748-2008 7.7.4 GB/T 9286-2021 JG/T 334-2012 7.7.18 GB/T 1457-2005
		Film adhesion	Rating 0	Rating 0	Pass	
		Minimum climbing drum peel strength	$\geq 30 \text{N} \cdot \text{mm/mm}$	$41 \text{N} \cdot \text{mm/mm}$	Pass	

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Annotations: Test address: No.1, Guanzhuang Dongli, Chaoyang District, Beijing, China/100024.

—————End of the Report—————