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中国认可
国际互认
检测
TESTING
CNAS L0690

TEST REPORT

Report No.: WT2024B01B00236E

Entrusted by:

Yaret Industrial Group Co.,Ltd

Sample Name:

Aluminum-plastic composite panel for ordinary
decoration

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-plastic composite panel for ordinary decoration	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)	600mm×600mm 6 PCS.
Production Date	January 3, 2024 /20240103	Model/Size	Polyester roller coating
Test Method(s)	The method for the test items are detailed in the data page(s).	Test Date	February 28th to March 20th, 2024
Judgment Standard(s)	GB/T 22412-2016 Aluminum-plastic composite panel for ordinary decoration		
Test Item(s)	Test items are detailed in data pages.		
Test Result(s)	<p>* Upon testing, the test comply with the requirements for polyester coating aluminum -plastic composite panel in GB/T 22412-2016;Test result are detailed in data pages.*</p> <div style="text-align: right;">  <p>Date of issue: 2024-03-27 (Seal)</p> </div>		
Remarks: (Provided by the commissioning unit)1. Sample number: YT-006; 2、 YARET brand.			

Approved by  Checked by  Compiled by 

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

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No.	Test Item(s)	Requirements of Standard(s)	Test Result(s)	Individual Conclusion	Test method(s)
1	Coating thickness	Avg. $\geq 16\mu\text{m}$ Min. $\geq 14\mu\text{m}$	Avg. $21\mu\text{m}$ Min. $20\mu\text{m}$	Pass	GB/T 22412-2016 6.6.1 GB/T 4957-2003
2	Pencil hardness	$\geq \text{HB}$	2H (CHUNG HWA Pencil)	Pass	GB/T 22412-2016 6.6.2 GB/T 6739-2022
3	Gloss difference	≤ 10	1.2	Pass	GB/T 22412-2016 6.6.3 GB/T 9754-2007
4	Flexibility	$\leq 3\text{T}$	2T	Pass	GB/T 22412-2016 6.6.4
5	Adhesion rating	Cross-cut rating 0 Circle-cut rating 1	Cross-cut rating 0 Circle-cut rating 1	Pass	GB/T 22412-2016 6.6.5 GB/T 9286-2021 GB/T 1720-2020
6	Impact resistance	$\geq 20\text{kg}\cdot\text{cm}$	$20\text{kg}\cdot\text{cm}$	Pass	GB/T 22412-2016 6.6.6 GB/T 1732-2020
7	Hydrochloric acid resistance	Unchanged	Unchanged	Pass	GB/T 22412-2016 6.6.7
8	Oil resistance	Unchanged	Unchanged	Pass	GB/T 22412-2016 6.6.8
9	Alkali resistance	Unchanged	Unchanged	Pass	GB/T 22412-2016 6.6.9
10	Solvent resistance	No exposure of substrate	No exposure of substrate	Pass	GB/T 22412-2016 6.6.11
11	Contamination resistance	$\leq 5\%$	1.8%	Pass	GB/T 22412-2016 6.6.12 GB/T 9780-2013 A Method

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No.	Test Item(s)		Requirements of Standard(s)	Test Result(s)	Individual Conclusion	Test method(s)
12	Bending strength	Back longitudinal	$\geq 50\text{MPa}$	84MPa	Pass	GB/T 22412-2016 6.7.1
		Back horizontal		80MPa	Pass	
		Front longitudinal		87MPa	Pass	
		Front horizontal		81MPa	Pass	
13	180° peel strength	Front longitudinal	Avg. $\geq 5.0\text{N/mm}$ Min. $\geq 4.0\text{N/mm}$	Min.6.4N/mm Avg.6.6N/mm	Pass	GB/T 22412-2016 6.7.2 GB/T 2790-1995
		Front horizontal		Min.7.5N/mm Avg.7.8N/mm	Pass	
		Back longitudinal		Min.8.4N/mm Avg.8.4N/mm	Pass	
		Back horizontal		Min.5.9N/mm Avg.6.0N/mm	Pass	
14	Temperature-change resistance	Adhesion rating	Cross-cut rating 0 Circle-cut rating 1	Cross-cut rating 0 Circle-cut rating 1	Pass	GB/T 22412-2016 6.7.3 GB/T 2790-1995 GB/T 9286-2021 GB/T 1720-2020
		Decrease rate of 180° peel strength	$\leq 10\%$	7%	Pass	
		Appearance	Unchanged	Unchanged	Pass	
15	Thermal distortion temperature	Front longitudinal	$\geq 85^\circ\text{C}$	106°C	Pass	GB/T 22412-2016 6.7.4 GB/T 1634.2-2019
		Front horizontal		106°C	Pass	
		Back longitudinal		104°C	Pass	
		Back horizontal		103°C	Pass	

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No.	Test Item(s)	Requirements of Standard(s)	Test Result(s)	Individual Conclusion	Test method(s)
16	Boiling water resistance	Unchanged	Unchanged	Pass	GB/T 22412-2016 6.7.5

(Blank)



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

————— **End of the Report** —————

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