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中国认可
国际互认
检测
TESTING
CNAS L0690

TEST REPORT

Report No.: WT2024B01B00233E

Entrusted by:

Yaret Industrial Group Co.,Ltd

Sample Name:

Aluminum panels Polyester Powder spraying

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 panels Polyester Powder spraying	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)	300mm×300mm 12 Pcs. 75mm×150mm 15 Pcs. 100mm×430mm 3 Pcs.
Production Date	January 2, 2024 /20240102	Model/Size	Plate thickness 3mm Outdoor
Test Method(s)	The method for the test items are detailed in the data page(s).	Test Date	February 28th to March 5th, 2024
Judgment Standard(s)	GB/T 23443-2009 Aluminum panels for building decoration		
Test Item(s)	Test items are detailed in data pages.		
Test Result(s)	* Upon testing, the test result of gloss tolerance is shown in page 2, other tested results comply with the requirements of GB/T 23443-2009 for Polyester Powder spraying, Test result are detailed in data pages.* Date of issue: 2024-03-12 (Seal) 检测专用章 1010510157921		
Remarks: (Provided by the commissioning unit)1. Sample number: YT-004; 2、YARET brand.			

Approved by



Checked by



Compiled by

刘晚晨

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. $\geq 40\mu\text{m}$	44 μm	Pass	GB/T 23443-2009 7.4 GB/T 4957-2003
2	Gloss tolerance	Gloss value < 30	Tolerance ± 5	Gloss range 25.4~28.6 Avg. 27.4	—	GB/T 23443-2009 7.5 GB/T 9754-2007
		$30 \leq \text{Gloss value} < 70$	Tolerance ± 7			
		Gloss value ≥ 70	Tolerance ± 10			
3	Film adhesion	Dry adhesion	Cross-cut Rating 0	Cross-cut Rating 0	Pass	GB/T 23443-2009 7.6.1 GB/T 9286-2021
		Wet adhesion	Cross-cut Rating 0	Cross-cut Rating 0	Pass	GB/T 23443-2009 7.6.2 GB/T 9286-2021
		Boiling water adhesion	Cross-cut Rating 0	Cross-cut Rating 0	Pass	GB/T 23443-2009 7.6.3 GB/T 9286-2021
4	Pencil hardness		$\geq 1\text{H}$	2H (CHUNG HWA Pencil)	Pass	GB/T 23443-2009 7.7 GB/T 6739-2022
5	Hydrochloric acid resistance (5%HCl (V/V), 24h)		Unchanged	Unchanged	Pass	GB/T 23443-2009 7.8.1.1
6	Nitric acid resistance		No blistering and no other changes. $\Delta E \leq 5.0$	No blistering and no other changes. $\Delta E = 0.61$	Pass	GB/T 23443-2009 7.8.1.2

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No.	Test Item(s)	Requirements of Standard(s)	Test Result(s)	Individual Conclusion	Test method(s)
7	Mortar resistance	Unchanged	Unchanged	Pass	GB/T 23443-2009 7.8.2
8	Solvent resistance	Bottom leakage prevention	Bottom leakage prevention	Pass	GB/T 23443-2009 7.8.3
9	Impact resistance	No cracking on both sides of aluminum sheet, no cracking and removal of coating from substrate	No cracking on both sides of aluminum sheet, no cracking and removal of coating from substrate	Pass	GB/T 23443-2009 7.11 GB/T 1732-2020

(Blank)

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

—————**End of the Report**—————

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