



2006000586R



检测  
CNAS L0690



(2002)建材质监认字(16)号



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# 检 验 报 告

## TEST REPORT

中心编号 (No): 国建抽字[2008]第 0614 号

受检单位: Jiangyin Pivot Decorative Materials Co., Ltd

Entrusted by

样品名称: aluminium-plastic composite panel

Sample Name

检验类别: sampling test

Test Type

国家建筑材料测试中心

National Research Center of Testing Techniques for Building Materials





National Research Center of Testing Techniques **S006000586A**  
for Building Materials  
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Sample name	aluminium-plastic composite panel	Test type	sampling test
Applicant	Jiangyin Pivot Decorative Materials Co., Ltd.	Sample list No.	18233
Manufacturer	Jiangyin Pivot Decorative Materials Co., Ltd.	Brand	i • BOND
Date of produce	January, 2008	Model/Size	1220 × 2440 × 4 (mm)
Sampling date	March 14, 2008	Sampling size	500 panels
Sampling site	store house of the company	Sampling quantity	3 panels
Batch No.	W6B6P0801084F <sub>2</sub>	Sampling description	Protecting film is ok
Test standard	《Aluminium-plastic Composite Panel》GB/T 17748-1999		
Test items	property test(see page 2, 3 and 4)		
Test conclusion	According to GB/T 17748-1999, all the tested items are satisfied with high-class.		
Remarks:	Date of issued: July 30, 2008 (Seal)		

Approved by:

Verified by:

Tested by:

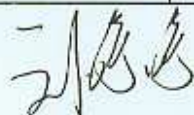
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No	test item		standard index		test value	single item determination
			high-class	qualified class		
1.	appearance quality	vestige	indistinct		indistinct	——
		coating omit	not allowed		no	——
		ripples	not allowed	indistinct	no	high-class
		rubbles ( $\leq 10\text{mm}$ )	not allowed	$\leq 1/\text{m}^2$	no	high-class
		flaw ( $\leq 3\text{mm}$ )	$\leq 3/\text{m}^2$	$\leq 10/\text{m}^2$	no	high-class
		abrasion	not allowed	total length $\leq 100\text{mm}/\text{m}^2$	no	high-class
		scratch	not allowed	total area $\leq 300\text{mm}^2/\text{m}^2$	no	high-class
		total number of abrasion and scratch	not allowed	$\leq 4$	0	high-class
		aberration	indistinct		indistinct	eligible
2.	dimensions deviation	length	$\pm 3\text{mm}$		0~+1.6mm	eligible
		width	$\pm 2\text{mm}$		+0.2~+1.4mm	eligible
		thickness	$\pm 0.2\text{mm}$		+0.10mm~ +0.18mm	eligible
		diagonals windage	$\leq 5\text{mm}$		1.6mm	eligible
		edge unstraightness	$\leq 1\text{mm}/\text{m}$		0.40mm/m	eligible
		warpage	$\leq 5\text{mm}/\text{m}$		2.0mm/m	eligible

Verified by:



Tested by:





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No	test item	standard index	test value	single item determination
3.	coating thickness	min. $\geq 25 \mu\text{m}$	min. $26 \mu\text{m}$ average $29 \mu\text{m}$	eligible
4.	gloss tolerance	$\leq 10$ ( gloss $< 70$ ) $\leq 5$ ( gloss $\geq 70$ )	4.7 Gloss48.8	eligible
5.	pencil hardness	$\geq \text{HB}$	3H	eligible
6.	coating flexibility	$\leq 2\text{T}$	2T	eligible
7.	coating adhesive	not lower than class 1	class 1	eligible
8.	impact resistance	50kg · cm no depainting, no crack	50kg · cm no depainting, no crack	eligible
9.	grinding resistance	$\geq 5\text{L}/\mu\text{m}$	$5.1\text{L}/\mu\text{m}$	eligible
10.	boiling water resistance	no change	no change	eligible
11.	pullute resistance	$\leq 15\%$	0.26 %	eligible
12.	acid resistance	no change	no change	eligible
13.	alkali resistance	no change	no change	eligible
14.	oil resistance	no change	no change	eligible
15.	solvent resistance	no change	no change	eligible
16.	scrub resistance	no change when $\geq 10000$ times	change when 10000 times	eligible

Verified by:



Tested by:



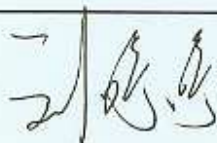
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N <sub>2</sub>	test item		standard index	test value	single item determination
17.	face density		specifide value ± 0.5kg/m <sup>2</sup>	5.66kg/m <sup>2</sup>	————
18.	bending strength		≥ 100MPa	120MPa	eligible
19.	bending elastic modulus		≥ 2.0 × 10 <sup>4</sup> MPa	2.84 × 10 <sup>4</sup> MPa	eligible
20.	penetrating resistance		≥ 9.0kN	9.08kN	eligible
21.	shearing strength		≥ 28.0MPa	28.3MPa	eligible
22.	180° peel strength		≥ 7.0N/mm	9.90N/mm	eligible
23.	temperature cycle resistance		no change	no change	eligible
24.	thermal expansion coefficient		≤ 4.00 × 10 <sup>-5</sup> ℃ <sup>-1</sup>	1.65 × 10 <sup>-5</sup> ℃ <sup>-1</sup>	eligible
25.	heat distortion temperature		≥ 105℃	106℃	eligible
26.	resistance salt spray		≤ grade 2	grade 1	eligible
27.	artificial weathering	aberration	≤ 3.0	0.89	eligible
		degradation of gloss	≤ grade 2	grade 2	eligible
		others	grade 0	grade 0	eligible
Remarks:					

Verified by:



Tested by:



## Notice

1. This test report is invalid without the seal.
2. This test report is invalid without the signatures of the related persons.
3. This test report is invalid if erased ,altered or copied partially.
4. Any doubt should inform us within 15 days after receiving the test report.
5. The results shown in this test report refer only to the sample(s) tested unless otherwise stated.

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Address: *No.1 Guanzhuang Dongli, Chaoyang District, Beijing 100024, P.R. China*

Post Code: 100024

Tel: (86-10) 65728538 51167664

Fax: (86-10) 65715369

Web: <http://www.cbmtc.com> [www.chinabmnet.com](http://www.chinabmnet.com)

E-mail: [jq@cbmtc.com](mailto:jq@cbmtc.com)