TEST REPORT

SCOPE OF WORK
MAGNESIUM OXIDE BOARD

REPORT NUMBER
240125004SHF-001-R1

TEST DATE(S)
2024-01-25 - 2024-03-01

ORIGINAL ISSUE DATE	REVISED DATE
2024-03-07	2024-04-15

PAGES
6

DOCUMENT CONTROL NUMBER
LFT-APAC-SHF-OP-10l(February 1, 2024)
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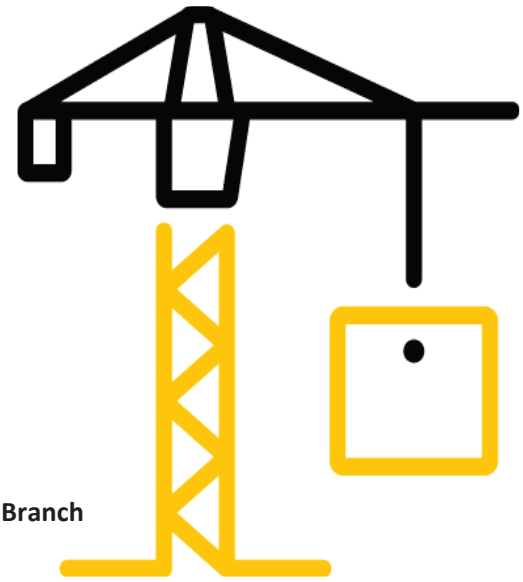

Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch

Test Report

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8.Intertek B&C will service this report for the entire test record retention period. The test record retention period ends 6 years after this report original issue date. The test record retention period for certification program is 10 years. Test records and other pertinent project documentation will be retained for the entire test record retention period.

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Test Report

Original Issue Date: 2024-03-07 Revised Date: 2024-04-15 Intertek Report No. 240125004SHF-001-R1

Applicant: Ambient Building Products

Address: 8230 Preston Ct Ste C, Jessup, MD 20794

Manufacturer: Ambient Building Products

Address: 8230 Preston Ct Ste C, Jessup, MD 20794

Test Type: Performance test, samples provided by the applicant.

Product Information

Product Name	Model	Specification
MAGNESIUM OXIDE BOARD	/	1220mm*2440mm*12mm
Sample ID	**Sample Amount**	**Sample Received Date**
S240125004SHF.001	1 package	2024-01-23
Sample Description		
1220mm*2440mm*12mm		

Test Methods And Standards

Test Standard	EN 12467:2012+A2:2018 5.3
Specification Standard	/
Test Conclusion	The samples were tested according to the above standards, and the results are shown in the following page.

Note:

1.This report does not involve sampling. The report only reflects conformity of the tested items of the samples provided by the testing applicant. Representativeness and authenticity of the submitted samples are responsibilities of the testing applicant.

Report Authorized

Name: Flora Fan Name: Jackie Zhou

Title: Reviewer Title: Project Engineer

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Test Report

Original Issue Date: 2024-03-07 Revised Date: 2024-04-15 Intertek Report No. 240125004SHF-001-R1

Test Items, Method and Results:

EN 12467:2012+A2:2018 Fibre-cement flat sheets - Product specification and test methods				
Clause	Requirement - Test			Result - Remark
5.3	Dimensions and tolerances			
5.3.2	Nominal Length and Width The manufacture shall specify the nominal length and width of the sheets			Nominal Length: 2440mm Nominal Width: 1220mm
5.3.3	Thickness The manufacture shall specify the nominal thickness of the sheets			Nominal Thickness: 12mm
5.3.4	Tolerance on nominal dimensions			
5.3.4.1	Tolerance on length and width Tolerance on length and width shall be in accordance with Table 1, for the appropriate level.			Measured length: 2440.5mm Measured width: 1221.0mm Tolerance on length: 0.5mm Tolerance on width: 1.0mm Complied with Level I
	Nominal Dimension a	Level I	Level II	
	a≤600mm	±3mm	±4mm	
	600mm＜a≤1000mm	±3mm	±5mm	
	1000mm＜a≤1600mm	±0.3%a	±0.5%a	
	1600mm＜a	±5mm	±8mm	
	a is the nominal width or length			
5.3.4.2	Tolerance on thickness For non-textured sheets, tolerances shall be in accordance with Table 2.			Measured thickness: 12.16mm Tolerance on thickness: 0.16mm Max. deviation within one sheet: 0.49%
	e ⩽ 6 mm	± 0.6 mm		
	6 mm < e ⩽ 20 mm	± 10 % e		
	e > 20 mm	± 2 mm		
	For sheets without texture, the maximum difference between extreme values of the thickness measurements within one sheet shall not exceed 10 % of the maximum measured value.			
5.3.5	Tolerance on shape			
5.3.5.1	Straightness of edges The tolerance on the straightness of edges are defined as a percentage of the length of the edge of the relevant dimensions (length or width), and shall be in accordance with table 4 for the appropriate level.			Measured: max. 0.02% Complied with Level I
	Level I	Level II		
	0.1%	0.3%		

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<table>
<tr><th colspan="4">EN 12467:2012+A2:2018
Fibre-cement flat sheets - Product specification and test methods</th></tr>
<tr><td>Clause</td><td colspan="2">Requirement - Test</td><td>Result - Remark</td></tr>
<tr><td rowspan="3">5.3.5.2</td><td colspan="2">Squareness of edges
The tolerance on squareness of sheets shall be in accordance with table 5, for the appropriate level.</td><td rowspan="3">Measured: max. 0.02mm/m
Complied with Level I</td></tr>
<tr><td>Level I</td><td>Level II</td></tr>
<tr><td>2mm/m</td><td>4mm/m</td></tr>
</table>

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Appendix A: Sample Received Photo

Revision:

NO.	Date	Changes
240125004SHF-001	2024-03-07	First issue
240125004SHF-001-R1	2024-04-15	Revised the product name as per applicant's requirement.

Note: Since the issue date of 240125004SHF-001-R1 report, the original report 240125004SHF-001 was cancelled at the same time.