

TEST REPORT

No. : CZIN2308000064CM01-1_EN

Date : 2023-11-01

Page: 1 of 7



CUSTOMER NAME:

ADDRESS:

This Report supersedes the Report No. CZIN2308000064CM01_EN dated: Sep 06, 2023 issued by SGS, original report will be invalid from today

Sample Name : WOODEN SLAT ACOUSTIC PANEL

Product Specification : 2600*526*21.5mm

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

SGS Ref. No. : CZHL2308005884HI

Date of Receipt : 2023-08-21

Testing Period : 2023-08-21 ~ 2023-09-04

Test result(s) : For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for
SGS-CSTC Standards Technical
Services (Changzhou) Co., Ltd..

Tiffany Liu
Authorized signatory



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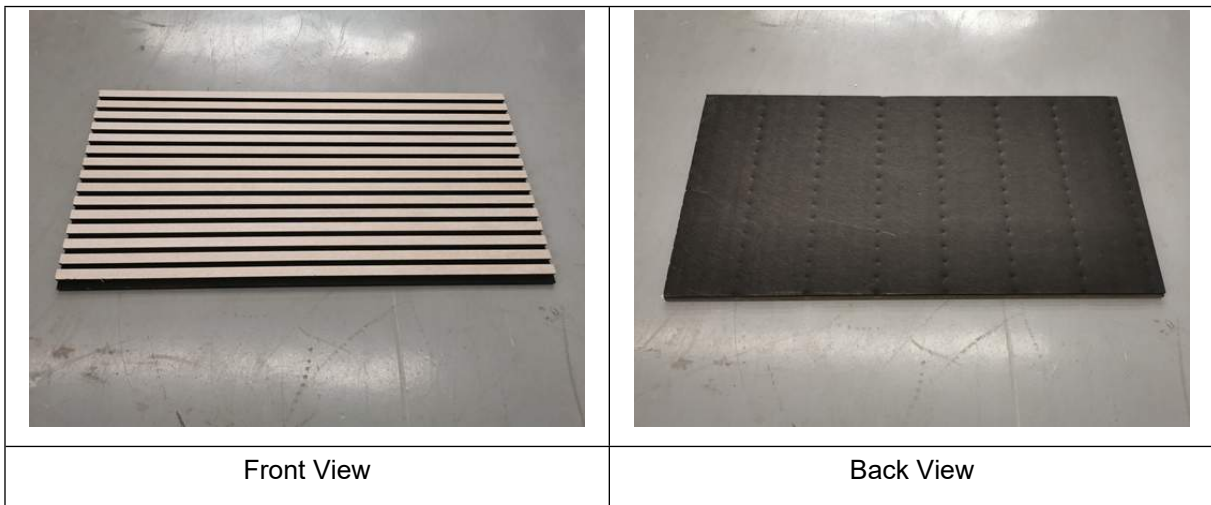
Page: 2 of 7

Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Sound Absorption Coefficient	EN 15102:2007+A1:2011 Clause 4.4 & EN ISO 354:2003	See result	/

Note: Pass : Meet the requirements;
Fail : Does not meet the requirements;
/ : Not Apply to the judgment.

Original Sample Photo(s):



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Date : 2023-11-01

Page: 3 of 7

Test Item: Sound Absorption Coefficient

I. Test Method

EN 15102:2007+A1:2011 Decorative Wallcoverings - Roll Form, Clause 4.4 - Sound Absorption

EN ISO 354:2003 Acoustics – Measurement of Sound Absorption in a Reverberation Room

II. Sample Details

Dimensions	1200mm × 600mm × 21.5mm
Surface Density	About 7.96kg/m ²

III. Test Condition

Ambient Temperature	27.3°C	Relative Humidity	75.6%RH
Volume Reverberation Room	260m ³	Test Area	10.98m ² (3.66m×3.00m)
Description of Test Arrangement	The installation of samples refers to type E mounting. The samples are installed in the reverberation room, use baffle to enclosure, 40mm back cavity.		



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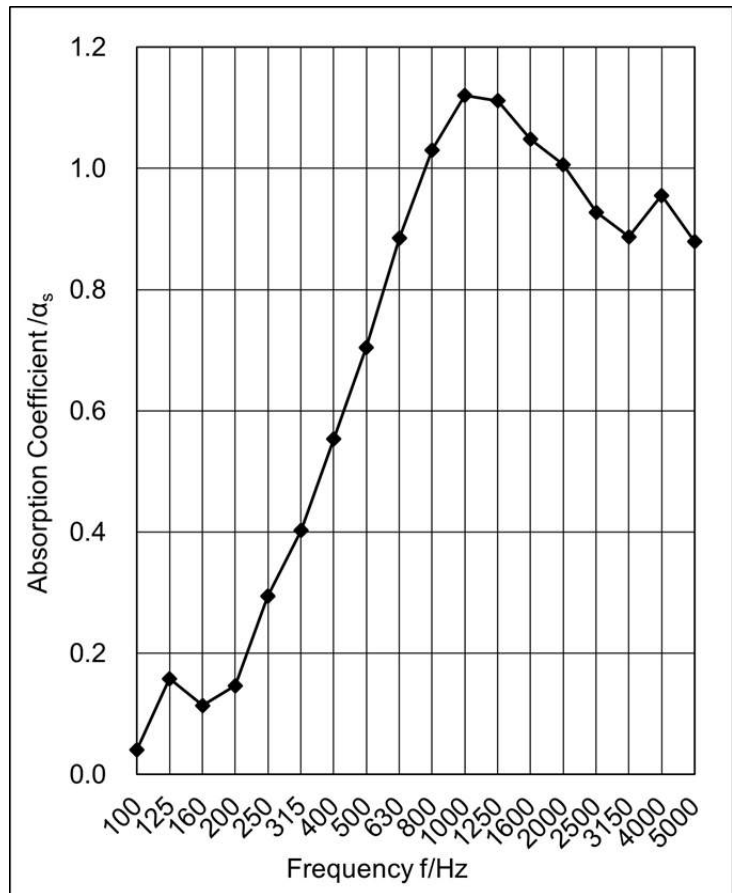
No. : CZIN2308000064CM01-1_EN

Date : 2023-11-01

Page: 4 of 7

IV. Test Result

Frequency Hz	Absorption Coefficient, α_s
100	0.04
125	0.16
160	0.11
200	0.15
250	0.29
315	0.40
400	0.55
500	0.70
630	0.89
800	1.03
1000	1.12
1250	1.11
1600	1.05
2000	1.01
2500	0.93
3150	0.89
4000	0.96
5000	0.88
$\bar{\alpha}_s$	0.68
NRC	0.80



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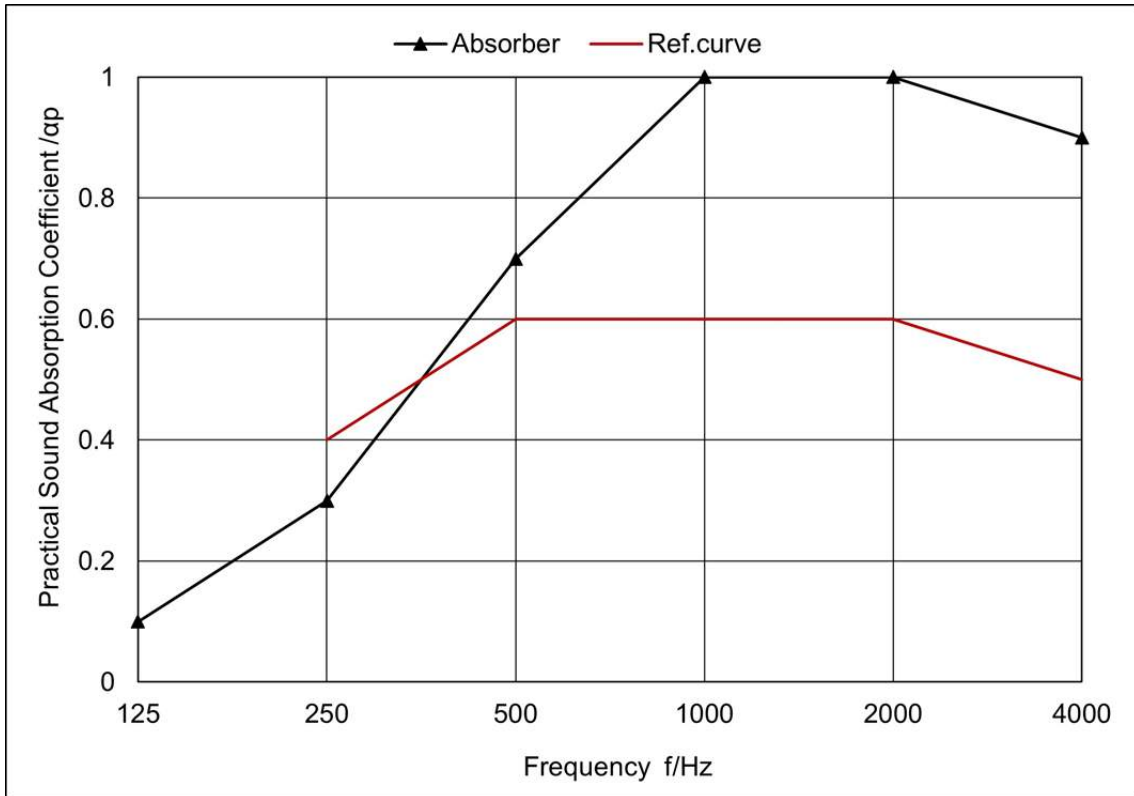
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Date : 2023-11-01

Page: 5 of 7

Frequency Hz	Reference Curve	Practical Sound Absorption Coefficient, α_p	Weighted Sound Absorption Coefficient, α_w	Sound Absorption Classes
125	-	0.10	0.60(MH)	Class C
250	0.40	0.30		
500	0.60	0.70		
1000	0.60	1.00		
2000	0.60	1.00		
4000	0.50	0.90		



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Date : 2023-11-01

Page: 6 of 7

V. Weighted Sound Absorption Coefficient

Calculated according to EN ISO 11654:1997:

Average Absorption Coefficient $\bar{\alpha}_s$ (100Hz~5000Hz): 0.68

Noise Reduction Coefficient: NRC=0.80

Weighted sound absorption coefficient: $\alpha_w=0.60$ (MH)

Sound absorption classes: Class C

Note:

1. According to EN ISO 11654:1997, Sound absorption classes is five:
Class A $\alpha_w=0.90;0.95;1.00$
Class B $\alpha_w =0.80;0.85$
Class C $\alpha_w=0.60;0.65;0.70;0.75$
Class D $\alpha_w=0.30;0.35;0.40;0.45;0.50;0.55$
Class E $\alpha_w=0.15;0.20;0.25$
Not classified $\alpha_w=0.00;0.05;0.10$
2. NRC is the arithmetic average of absorption coefficient contained four octave frequency bands (250, 500, 1000, 2000 Hz).
3. This declaration of conformity is only based on the result of this laboratory activity, the impact of the uncertainty of the results was not included.
4. It is strongly recommended to use this single-number rating in combination with the complete sound absorption coefficient curve that can be obtained on request.



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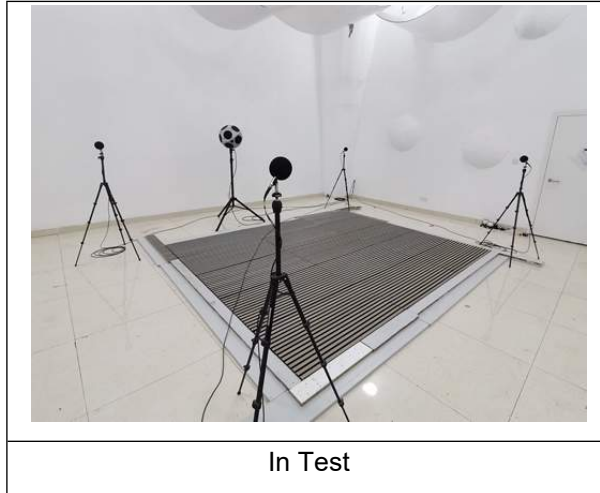
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No. : CZIN2308000064CM01-1_EN

Date : 2023-11-01

Page: 7 of 7

VI. Test Photo(s):



Note: Report CZIN2308000064CM01_EN changed to CZIN2308000064CM01-1_EN, modify the test method and remove the CNAS logo.

Revise Content	Before Change	After Change
Test Method	EN 15102:2019 Clause 4.7 & EN ISO 354:2003	EN 15102:2007+A1:2011 Clause 4.4 & EN ISO 354:2003

In the territory of the People's Republic of China, the test report with CMA logo expresses that the test items are within the scope of China Metrology Accreditation(CMA); without CMA logo expresses that part/all of the test items are not within the scope of China Metrology Accreditation(CMA), and just for client internal reference.

*****End of report*****



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