

TEST REPORT

No. : CZIN2311000112CM01-1_EN

Date : 2023-12-21

Page: 1 of 6



CUSTOMER NAME: HAINING UV DECORATION MATERIAL CO., LTD.
ADDRESS: 2ND FLOOR, BUILDING 1, NO. 6, LANE 631, LIANHE ROAD,
HAIZHOU STREET, HAINING CITY, JIAXING CITY, ZHEJIANG
PROVINCE

This Report supersedes the Report No. CZIN2311000112CM01_EN dated: Nov. 28, 2023 issued by SGS, original report will be invalid from today.

Sample Name : ACOUSTIC PANEL

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. : SHIN2311001888CM01
Other Ref. No. : IN-SH-CP-5627-23467
Date of Receipt : 2023-11-14
Testing Period : 2023-11-14 ~ 2023-11-28
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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Date : 2023-12-21

Page: 2 of 6

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	N/A

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

Original Sample Photo(s):



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Page: 3 of 6

Test Item: Sound Absorption Coefficient

I. Test Method

EN 15102:2007+A1:2011 Clause 4.4 & EN ISO 354:2003 Decorative Wallcoverings – Roll and panel form products, Clause 4.4 - Sound Absorption

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

II. Sample Details

Dimensions	2400mm×600mm×21mm
Surface Density	About 7.44kg/m ²

III. Test Condition

Ambient Temperature	17.4°C	Relative Humidity	50.7%RH
Volume Reverberation Room	260m ³	Test Area	10.80m ² (3.60m×3.00m)
Description of Test Arrangement	<p>The installation of samples refers to type E mounting.</p> <p>The samples are installed in the reverberation room, use baffle to enclosure. 100mm back cavity.</p>		



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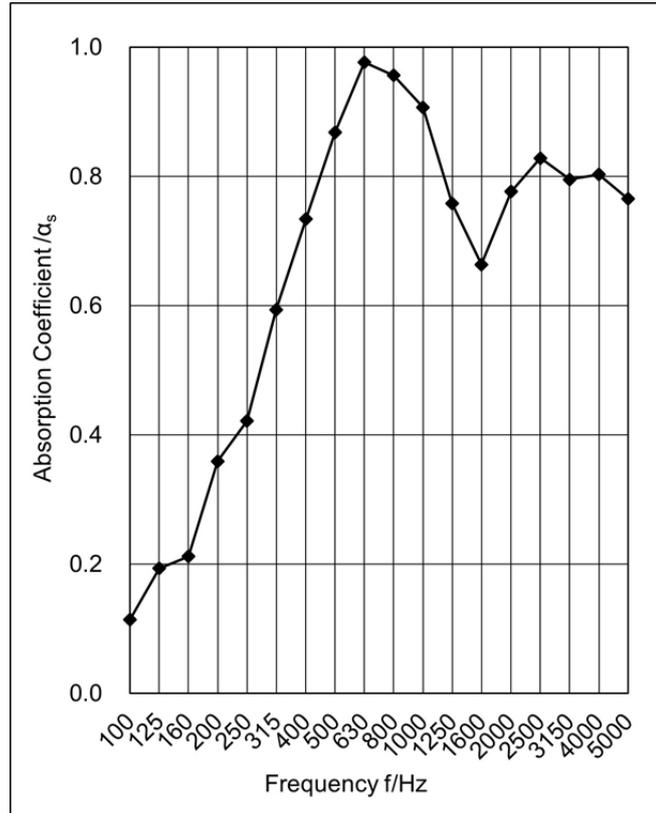
No. : CZIN2311000112CM01-1_EN

Date : 2023-12-21

Page: 4 of 6

IV. Test Result

Frequency f/Hz	Absorption Coefficient, α_s
100	0.11
125	0.19
160	0.21
200	0.36
250	0.42
315	0.59
400	0.73
500	0.87
630	0.98
800	0.96
1000	0.91
1250	0.76
1600	0.66
2000	0.78
2500	0.83
3150	0.80
4000	0.80
5000	0.77
$\bar{\alpha}_s$	0.65
NRC	0.75



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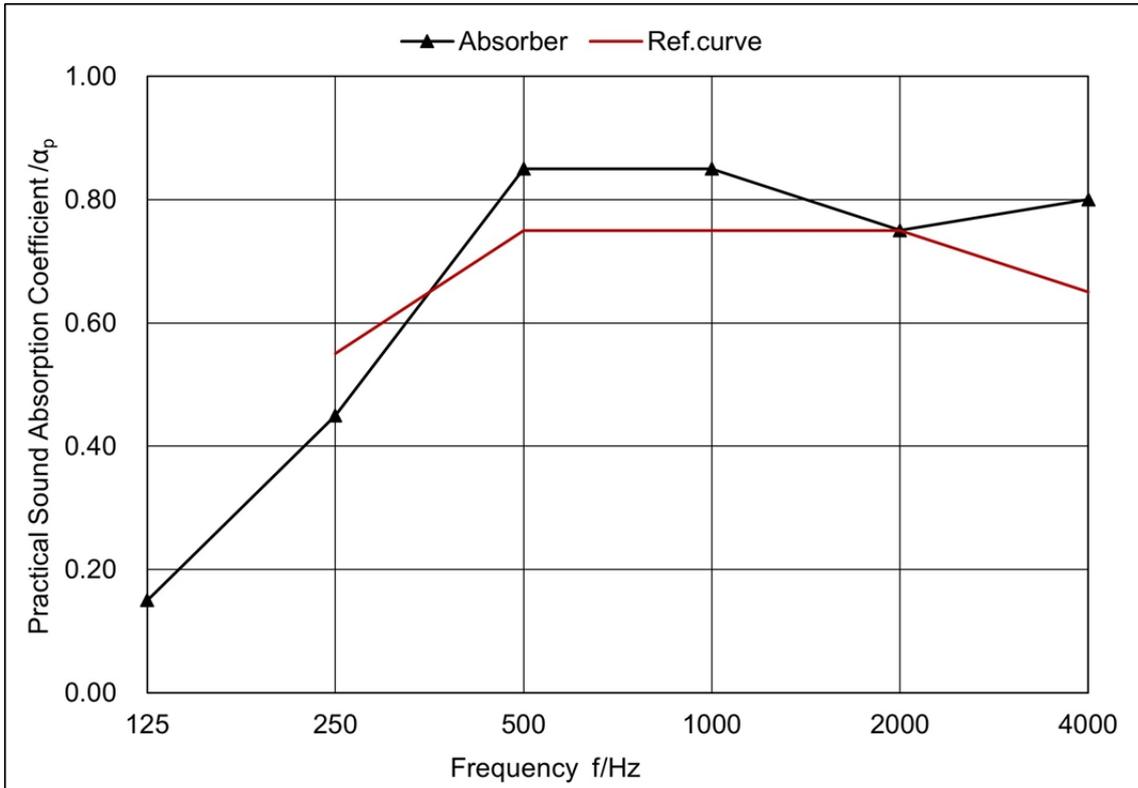
TEST REPORT

No. : CZIN2311000112CM01-1_EN

Date : 2023-12-21

Page: 5 of 6

Frequency/Hz	Reference Curve	Practical Sound Absorption Coefficient, α_p	Weighted Sound Absorption Coefficient, α_w	Sound Absorption Class
125	-	0.15	0.75	Class C
250	0.55	0.45		
500	0.75	0.85		
1000	0.75	0.85		
2000	0.75	0.75		
4000	0.65	0.80		



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Page: 6 of 6

V. Weighted Sound Absorption Coefficient

Calculated according to EN ISO 11654:1997:

Average Absorption Coefficient $\bar{\alpha}_s$ (100Hz~5000Hz): 0.65

Noise Reduction Coefficient: NRC=0.75

Weighted sound absorption coefficient: $\alpha_w=0.75$

Sound absorption class: 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.

CZIN2311000112CM01_EN changed to CZIN2311000112CM01-1_EN, modified the standard year number.

Unless otherwise stated, this report provides a declaration of conformity according to whether the test results are within the specified limits or specifications without considering the measurement uncertainty.

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



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