

TEST REPORT

No. : CZIN2512000588CM01_EN

Date : 2025-12-24

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CUSTOMER NAME: BLAUWSCHILD BV
ADDRESS: HERTENLAAN 12 6705 CB WAGENINGEN THE NETHERLANDS

Sample Name : PET ACOUSTIC PANEL
Manufacturer : Blauwschild BV
Supplier : Blauwschild BV
Item No. : 20251203
Country Of Origin : Netherlands
Country Of : Netherlands
Destination

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. : SHIN2512003279CM01
Other Ref. No. : SHHL2512073120HI
Date of Receipt : 2025-12-09
Testing Period : 2025-12-09 ~ 2025-12-16
Test Location : No.3 East Hehai Road, Tianning District, Changzhou City, Jiangsu, China
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..

Jack Zhang

Jack Zhang
Authorized signatory



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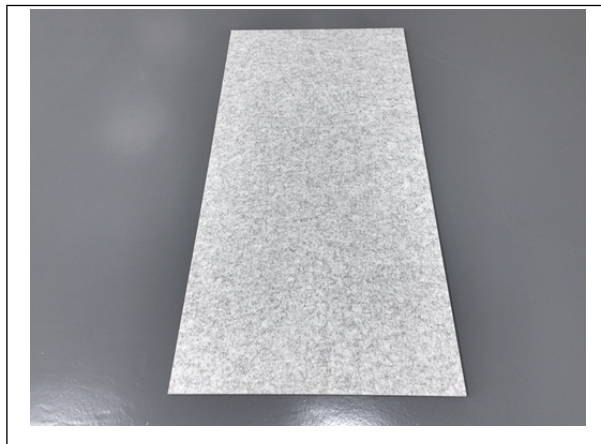
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Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Sound Absorption Coefficient	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:



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Test Item: Sound Absorption Coefficient

I. Test Method

ISO 354:2003 Acoustics - Measurement of sound absorption in a reverberation room

II. Sample Details

Dimensions	1200mm×600mm×9mm
Surface Density (offered by applicant)	1.9kg/m ²

III. Test Condition

Ambient Temperature	15.5℃	Ambient Humidity	48.3%RH
Volume Reverberation Room	260m ³	Total Surface Area	248.4m ²
Number of Sound Source Positions	3	Number of Microphone Positions	4
Test Area	10.80m ² (3.60m×3.00m)		
Description of Test Arrangement	The installation of samples refers to type E mounting. The sample is installed in the reverberation room, use baffle to enclosure, 200mm back cavity.		

IV. Test Result

Average Sound Absorption Coefficient $\bar{\alpha}_s$ (100Hz~5000Hz): 0.76

Noise Reduction Coefficient: NRC=0.80

Note: NRC is the arithmetic average of absorption coefficient contained four octave frequency bands (250, 500, 1000, 2000 Hz).



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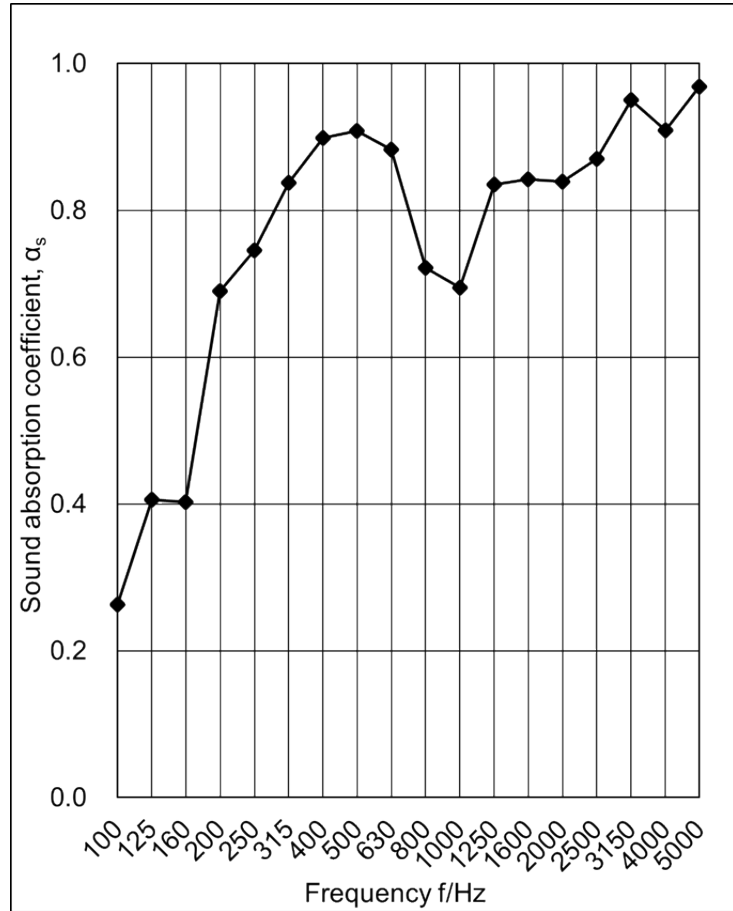
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Frequency f/Hz	Absorption Coefficient, α_s
100	0.26
125	0.41
160	0.40
200	0.69
250	0.75
315	0.84
400	0.90
500	0.91
630	0.88
800	0.72
1000	0.69
1250	0.83
1600	0.84
2000	0.84
2500	0.87
3150	0.95
4000	0.91
5000	0.97
$\bar{\alpha}_s$	0.76
NRC	0.80



The test report shall only be used for clients' scientific research, teaching, internal quality control, product research and development, etc... and just for internal reference.

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



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