

## TEST REPORT

No. : GZIN2407002635PL01\_EN

Date : 2024-07-30

Page: 1 of 5

CUSTOMER NAME: [REDACTED]

ADDRESS: [REDACTED]

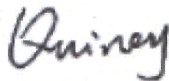
Sample Name : sound barrier  
Product Specification : 1\*2M  
Manufacturer : Foshan LiTong Fanpeng Co., Ltd.  
Material : polyester with MLV and glassfiber fabric

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.

\*\*\*\*\*

Date of Receipt : 2024-07-19  
Testing Period : 2024-07-19 ~ 2024-07-30  
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 Co., Ltd. Guangzhou  
Branch.



Quincey Lee  
Authorized signatory



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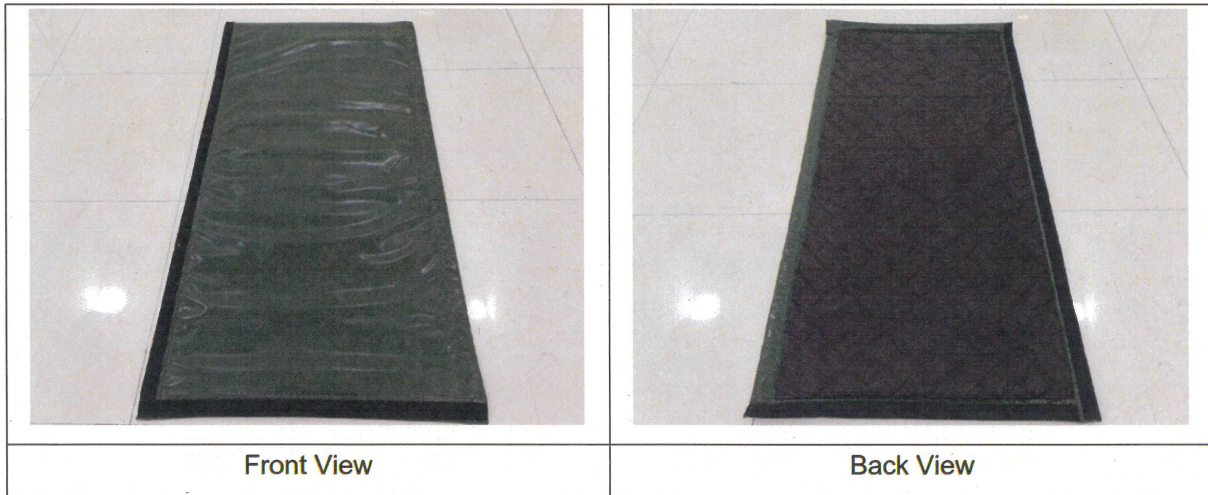
Page: 2 of 5

### Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Sound Absorption Coefficient	ASTM C423-23	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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No. : GZIN2407002635PL01\_EN

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Page: 3 of 5

Test Item: Sound Absorption Coefficient

## I. Test Method

ASTM C423-23 Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method

## II. Sample Details

Dimensions	2000mm×1000mm×25mm
Surface Density	About 6.98kg/m <sup>2</sup>

## III. Test Condition

Ambient Temperature	29.3℃	Ambient Humidity	82.2%RH
Volume Reverberation Room	260m <sup>3</sup>	Test Area	11.46m <sup>2</sup> (3.95m×2.90m)
Description of Test Arrangement	The installation of samples refers to type A mounting. After splicing, the sample is placed directly in the reverberation room, with the back facing the noise.		

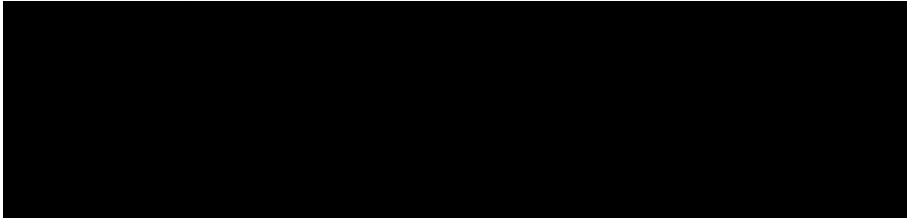
## IV. Test Result

Average Absorption Coefficient  $\bar{\alpha}$  (100Hz~5000Hz): 0.50

Average Absorption Coefficient SAA (200Hz~2500Hz):0.62

Noise Reduction Coefficient: NRC=0.65

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



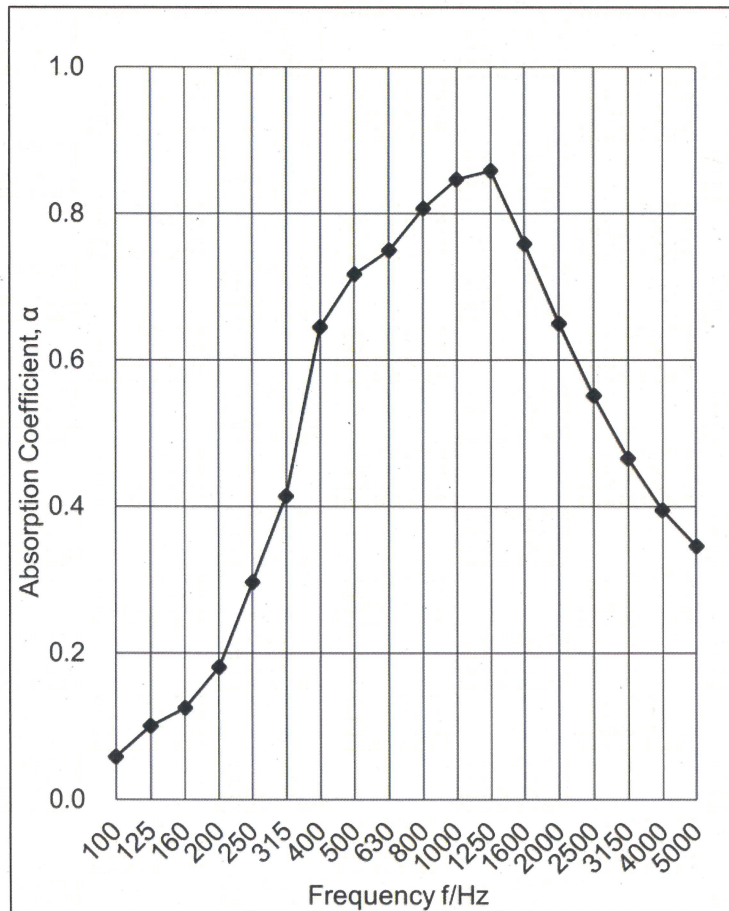
## TEST REPORT

No. : GZIN2407002635PL01\_EN

Date : 2024-07-30

Page: 4 of 5

Frequency f/Hz	Absorption Coefficient, $\alpha$
100	0.06
125	0.10
160	0.12
200	0.18
250	0.30
315	0.41
400	0.64
500	0.72
630	0.75
800	0.81
1000	0.85
1250	0.86
1600	0.76
2000	0.65
2500	0.55
3150	0.47
4000	0.39
5000	0.35
$\bar{\alpha}$	0.50
SAA	0.62
NRC	0.65



Note: 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.

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Page: 5 of 5

Appendix information:

\*The above test was carried out by other laboratory in SGS group.

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\*\*\*\*\*