



中国认可
国际互认
检测
TESTING
CNAS L22467

Test Report

Client: GUANGZHOU HUI ACOUSTICS
NEW MATERIALS CO., LTD

Test category: Entrusted test

Sample name: FABRIC ACOUSTIC PANEL\SUSPEND
SOUND ABSORBER\ACOUSTIC PANEL

Sample model: 1200*600*60 mm

Report number: SS251105001E

Report date: November 5, 2025



Guangdong Gujian Testing Co., Ltd.





Declaration

1. Our company guarantees the scientificity, impartiality, and accuracy of the testing, takes technical responsibility for the testing data, and keeps confidential the samples and technical information provided by the commissioning unit.
2. This report is invalid without the official seal of our unit or the "Special Seal for Inspection and Testing".
3. This report is invalid without the signature of the testing, reviewing, and approving personnel, and is invalid if altered.
4. If the commissioning party sends samples for testing on its own, the testing results are only responsible for the incoming samples.
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6. Each page of this report is an integral part of the report. Users who extract certain pages separately may misunderstand or use them for other purposes, and any resulting consequences shall not be held legally responsible.
7. If you have any questions about this report, please contact our company in a timely manner. Please indicate the report number when writing or calling. If you have any objections to the test results, please submit a retest application to our company within fifteen working days from the date of receiving this report. For samples with unstable performance, re inspection is not accepted.
8. The "principal" and "contact information of the principal" are provided by the principal. The "manufacturer", "model and specification", "factory number", and "equipment number" are marked on the instrument. If the principal has any objections to the above content, they must raise them within 20 working days after receiving the report.

Communication information of this institution:

Company: Guangdong Gujian Testing Co., Ltd.

Address: No. 81 Fenghe East Road, Renhe Town, Baiyun District, Guangzhou City

Telephone: 020-37416331

Email: gj@gdgujc.com



Test Report

Sample name	FABRIC ACOUSTIC PANEL\SUSPEND SOUND ABSORBER\ACOUSTIC PANEL	Sample model	1200*600*60 mm
Sample number	WTD251104001-01	Trademark	Huisheng
Test category	Entrusted test	Sample quantity	15 pieces (totaling 10.8 m ²)
Sample delivery date	November 4, 2025	Test date	November 4, 2025
Client	GUANGZHOU HUI ACOUSTICS NEW MATERIALS CO., LTD		
Client address	No.930 Kangdu Road, Zhongluotan Town, Baiyun District, Guangzhou		
Manufacturer	GUANGZHOU HUI ACOUSTICS NEW MATERIALS CO., LTD		
Manufacturer address	No.930 Kangdu Road, Zhongluotan Town, Baiyun District, Guangzhou		
Test items	Sound absorption coefficient		
Testing basis	GB/T 20247-2006/ISO 354-2003 "Acoustics-Measurement of sound absorption in a reverberation room"		
Test conclusion	See the test results. 		
Note	The structure and placement of the samples are all carried out in accordance with the requirements of the customers.		

Tested by: 李国材

Checked by: 张小明

Approved by: 廖冠卿

437y95gaemvq
Anti-counterfeiting
query code



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1. Environmental conditions:

- Volume of reverberation room: 219 m³.
- Before testing: temperature 24.5°C, relative humidity 66.5%.
- After testing: temperature 24.3°C, relative humidity 69.8%.

2. Sample description:

- The test specimen is a FABRIC ACOUSTIC PANEL\SUSPEND SOUND ABSORBER\ACOUSTIC PANEL, with a single specimen size of 1200 mm × 600 mm and a thickness of 60 mm;
- During testing, 15 test specimens are assembled into a component with dimensions of 3600 mm in length, 3000 mm in width, and 160 mm in height (including a 100 mm rear cavity). The structure of the component is shown in Figure 2.1. The edges of the component are sealed with gypsum boards, and the area of the component is 10.8 m².

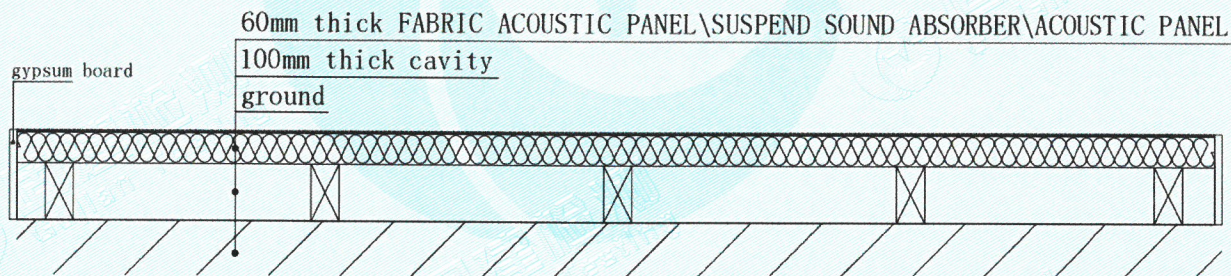


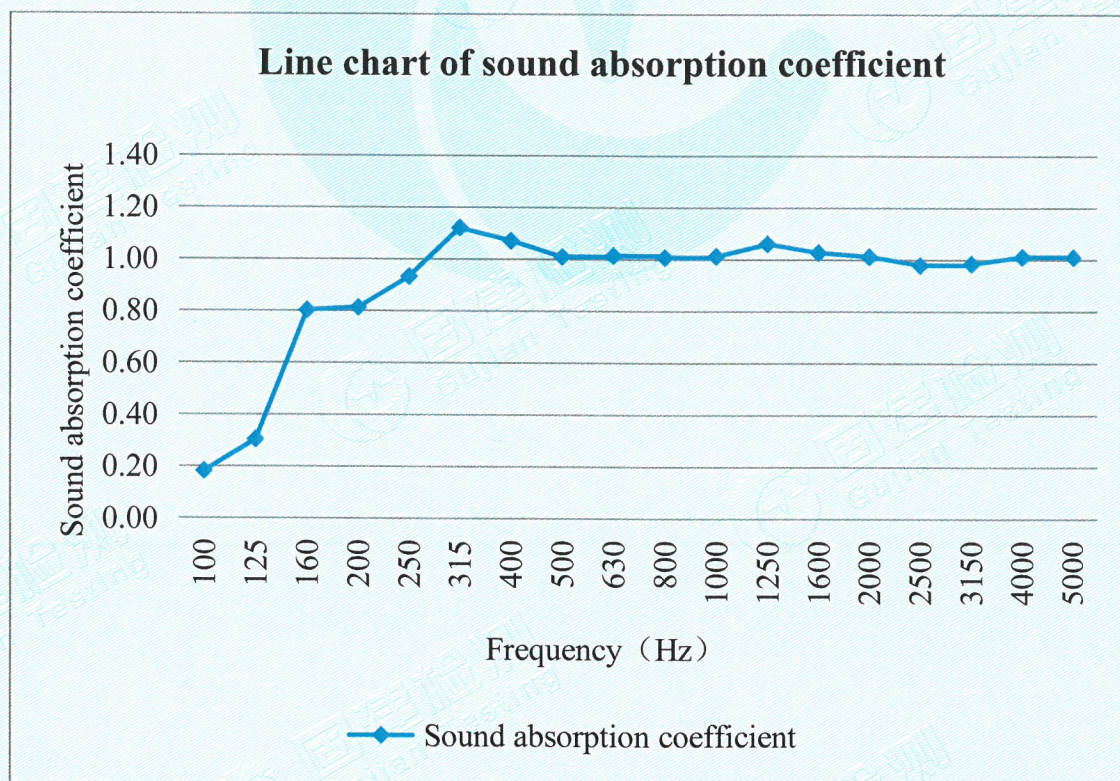
Figure 2.1 Schematic diagram of installation structure



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3. Test results

Frequency(Hz)	Sound absorption coefficient. α	Frequency(Hz)	Sound absorption coefficient. α
100	0.18	800	1.01
125	0.30	1000	1.01
160	0.80	1250	1.06
200	0.81	1600	1.03
250	0.93	2000	1.01
315	1.12	2500	0.98
400	1.07	3150	0.98
500	1.01	4000	1.01
630	1.01	5000	1.01
NRC		1.00	





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4. The gradation of sound absorption property for absorbent products

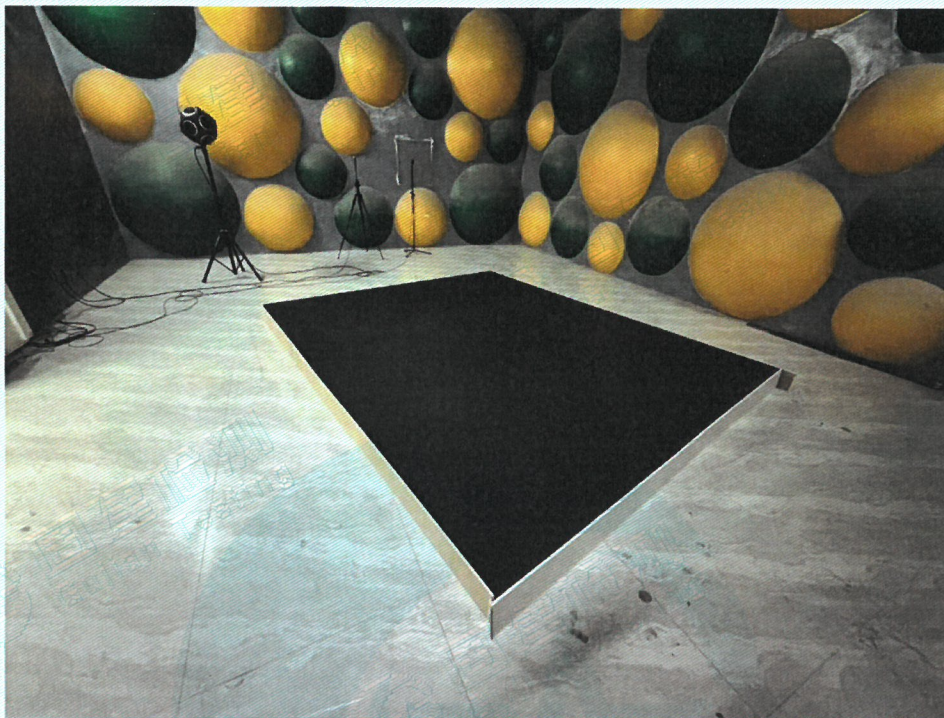
According to the national standard GB/T 16731-1997 "The gradation of sound absorption property for absorbent products", the noise reduction coefficient (NRC) is used as the single value evaluation quantity for the sound absorption performance of absorbent products, and the upper and lower limits of the noise reduction coefficient (NRC) are classified. The upper and lower limits of the NRC for each level are shown in the table below:

Level	Range
I	$\text{NRC} \geq 0.80$
II	$0.80 > \text{NRC} \geq 0.60$
III	$0.60 > \text{NRC} \geq 0.40$
IV	$0.40 > \text{NRC} \geq 0.20$



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5. Images of testing



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