

Test Report

No.SDHL250601053201HI

Date: Jul 14, 2025

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CHEUNG KEE CANVAS LTD
G/F,352,RECLAMATION STREET,KOWLOON,HONG KONG

Sample Description : PVC TARPAULIN
Style No. : CK 2009 NOISE BARRIER MAT (5KGS/M2)
Item No. : PVC TARPAULIN

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

Test Performing Date : Jul 08, 2025
Test Performed : Selected test(s) as requested by applicant

Test Result Summary

No.	Test(s) Requested	Result(s)	Comments
1	Airborne Sound Insulation	See Result	/
For further details, please refer to the following page(s)			

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch



Peter Zhao
Authorized Signatory

Scan to see the report



SDHL250601053201HI
Verification:
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Shunde Branch

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I. Condition

- 1) Volume of source room:88.6m³, Volume of receive room :67.9m³;
- 2) Temperature: 28°C; Relative humidity: 69%.
- 3) Specimen: An sample is mounted on a 500 mm thick composite sound insulation wall with an area of 1.3 square meters.

II. Accordance

Measurement according to ISO 10140-2-2021 'Acoustics -- Laboratory measurement of sound insulation of building elements -- Part 2: Measurement of airborne sound insulation' and EN ISO 717-1-2013 'Acoustics -- Rating of sound insulation in buildings and of building elements -- Part 1: Airborne sound insulation'.

The sound reduction index R is calculated by the following equation:

$$R = L_1 - L_2 + 10 \lg \frac{S}{A} \text{ dB} \tag{1}$$

Where

- L_1 is the average sound pressure level in the source room, in decibels;
- L_2 is the average sound pressure level in the receiving room, in decibels;
- S is the area of the test specimen, in square meters, which is equal to the free test opening(10.3m²);
- A is the equivalent sound absorption area in the receiving room, in square meters.

Instruments

- B&K 2270 Investigation
- Power amplifier B&K 2716
- Omni directional speaker B&K 4292
- Microphone B&K 4189
- and accessories.



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III. Test Results:

Specifications	PVC Tarpaulin (SDHL2506010532HI)
Test project	Airborne Sound Insulation
Test results	
f (Hz)	R (dB)
100	15.6
125	18.8
160	20.1
200	20.5
250	21.9
315	22.6
400	23.3
500	24.3
630	24.7
800	26.0
1000	24.6
1250	24.7
1600	25.0
2000	26.8
2500	27.3
3150	26.4
4000	28.0
5000	29.0
Rw (C;Ctr)	26 (-1;-2)

The sound reduction index (dB)

Frequency (Hz)

- The deficiencies
- The sound reduction index
- The reference curve

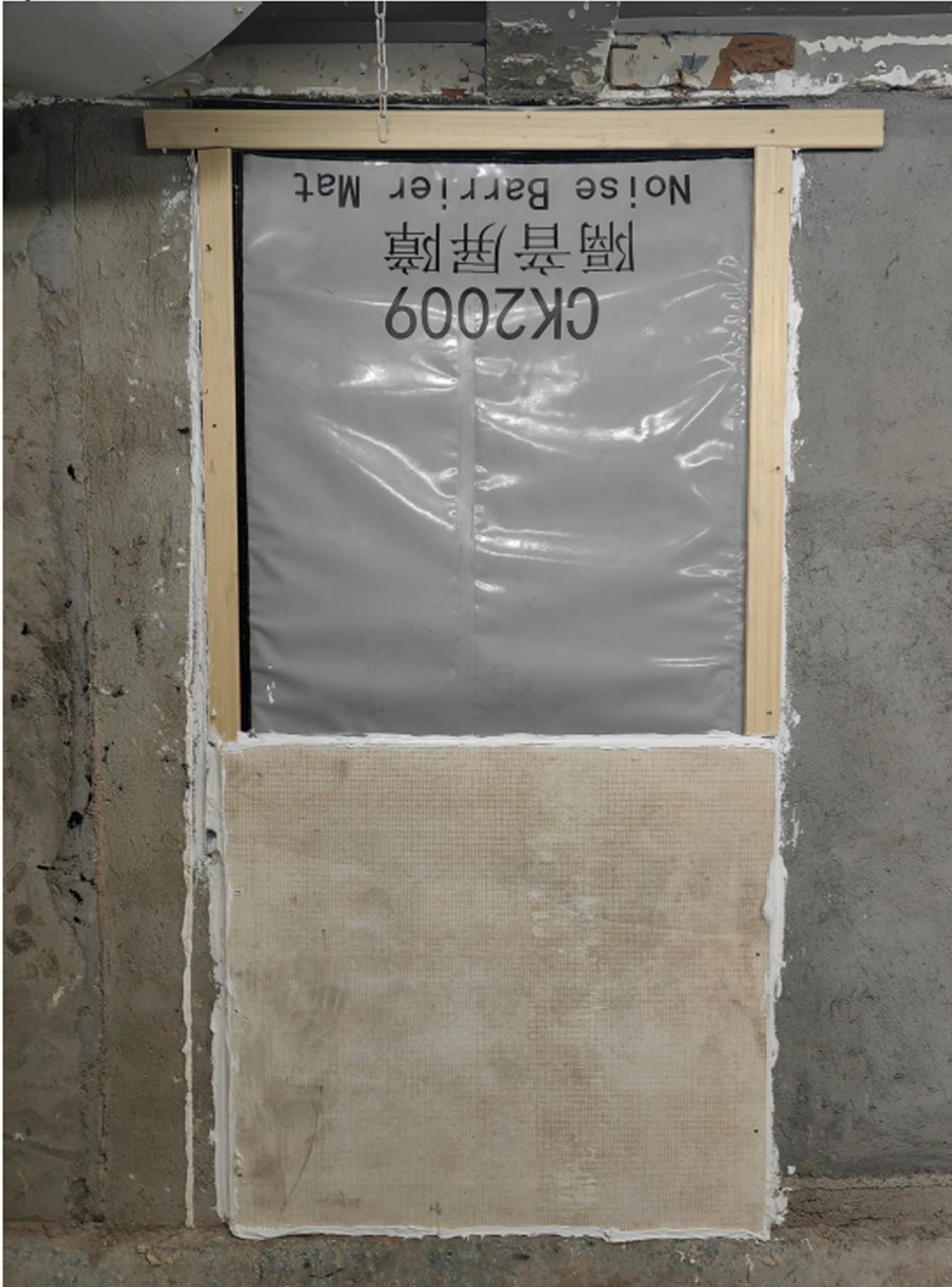


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IV. Photographic Records:



Remark: This test was subcontracted to Subtropical Architecture Institute, South China University of Technology.



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Note: According to client's statements the tested samples are identical to the products shown in the product photos.



End of Report

