

## TEST REPORT

No. : XMIN2407001372CM02\_EN

Date : 2024-08-09

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CUSTOMER NAME: PROTEK FLOORING LTD.  
ADDRESS: UNIT 3, REDLANDS, MOORHOUSE, WESTERHAM, KENT. TN16  
2ET, UK

Sample Name : SPC WALL 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.

\*\*\*\*\*

Date of Receipt : 2024-07-23  
Testing Period : 2024-07-23 ~ 2024-08-09  
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. Xiamen Branch.

Bryan Hong  
Authorized signatory



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Test Conducted:

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

ISO 11654:1997 Acoustics — Sound absorbers for use in buildings — Rating of sound absorption

Test Condition:

- Sample description : See photo  
 Thickness about 4mm, surface density about 8.2 kg/m<sup>2</sup>
- Project description : 4200×2400mm total 10.08 m<sup>2</sup> test materials is installed in the reverberation room, surrounded by a 40mm thickness reinforced concrete slab envelope 150mm cavity, installation structure is shown in next page
- Test Equipment : RTA840 system
- Test Environment : Reverberation room: 200m<sup>3</sup>,  
 Temperature: 19.9°C, relative humidity: 66.4%

Test Result:

Test Item	Test Standard	Result
Sound absorption coefficient	ISO 354:2003	$\alpha_s = 0.03$
	ISO 11654:1997	$\alpha_w = 0.05$



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# TEST REPORT

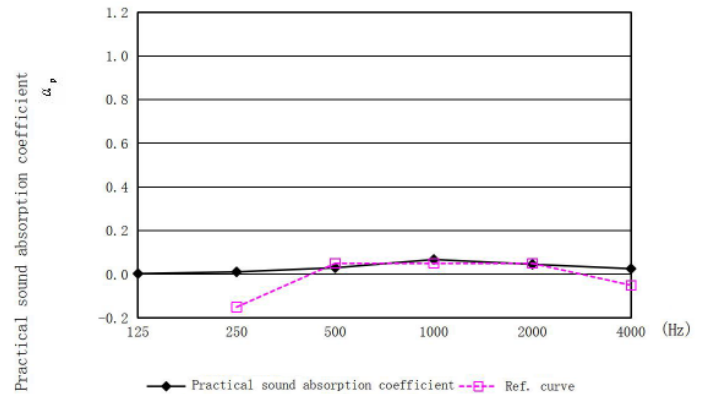
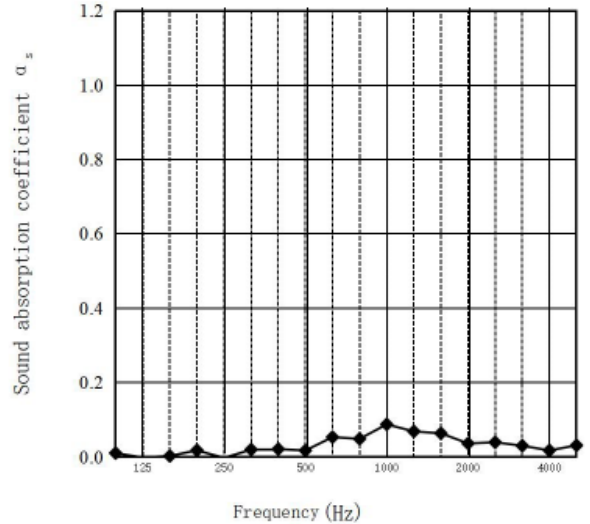
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## Frequency spectrum

f Hz	Sound absorption coefficient $\alpha$	Practical absorption $\alpha_p$	Ref. curve
100	0.01	/	/
<b>125</b>	0.00	0.00	/
160	0.00	/	/
200	0.02	/	/
<b>250</b>	0.00	0.01	-0.15
315	0.02	/	/
400	0.02	/	/
<b>500</b>	0.02	0.03	0.05
630	0.05	/	/
800	0.05	/	/
<b>1000</b>	0.09	0.07	0.05
1250	0.07	/	/
1600	0.06	/	/
<b>2000</b>	0.04	0.05	0.05
2500	0.04	/	/
3150	0.03	/	/
<b>4000</b>	0.02	0.03	-0.05
5000	0.03	/	/
$\alpha_s = 0.03$			
$\alpha_w = 0.05$			



### Remark:

- $\alpha_s$  is the arithmetic mean value of absorption coefficient from 100Hz to 5000Hz
- $\alpha_w$  is the results calculation according to ISO 11654:1997
- The above test project/method was carried out by subcontractors.

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



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