

TEST REPORT

No. : XMCCM170300154

Date : Jun.8, 2017

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The following sample(s) was/ were submitted and identified on behalf of the client as:

Sample Name : POLYESTERFIBER ACOUSTIC PANEL
 SGS Ref. No. : QDHG201600395
 Type No. : KP-36BLACK
 Manufacturer :
 Test required : EN 13964:2004+A1:2006 Suspended ceilings. Requirements and test methods
 Intend use : Ceiling
 Date of Receipt : May.15, 2017
 Test Period : May.16, 2017 to Jun.5, 2017

Test result(s) : For further details, please refer to the following page(s)

***** To be continued*****

Signed for and on behalf of
 SGS-CSTC Ltd.



Civi Huang
 Xiamen Materials Lab Technical Supervisor

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Sound absorption

floor of the reverberation room

Test Conducted:

EN ISO 354:2003 Acoustics-Measurement of sound absorption in a reverberation room
EN ISO 11654:1997 Acoustics-Sound absorbers for use in buildings-Rating of sound absorption

Test Condition:

Sample Description : POLYESTERFIBER ACOUSTIC PANEL, 600mm×600mm×9mm
Installation Info. : 50mm cavity with substructure floor of the reverberation room
Test specimen area: 10.8m²
Sound source : Omni-directional loudspeaker, Pink noise
Test Equipment : Sound level meter B&K2260
Test Environment : Standard reverberation room: 273m³,
Temperature:25 °C, relative humidity: 65%

Test Result

Test Item	Test Standard	Result	Note
Sound absorption	EN ISO 354:2003 EN ISO 11654:1997	single value $\alpha_{\omega} = 0.8$	See Appendix 1

Note: the test was carried out by external laboratory assessed as competent.

***** To be continued*****

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TEST REPORT

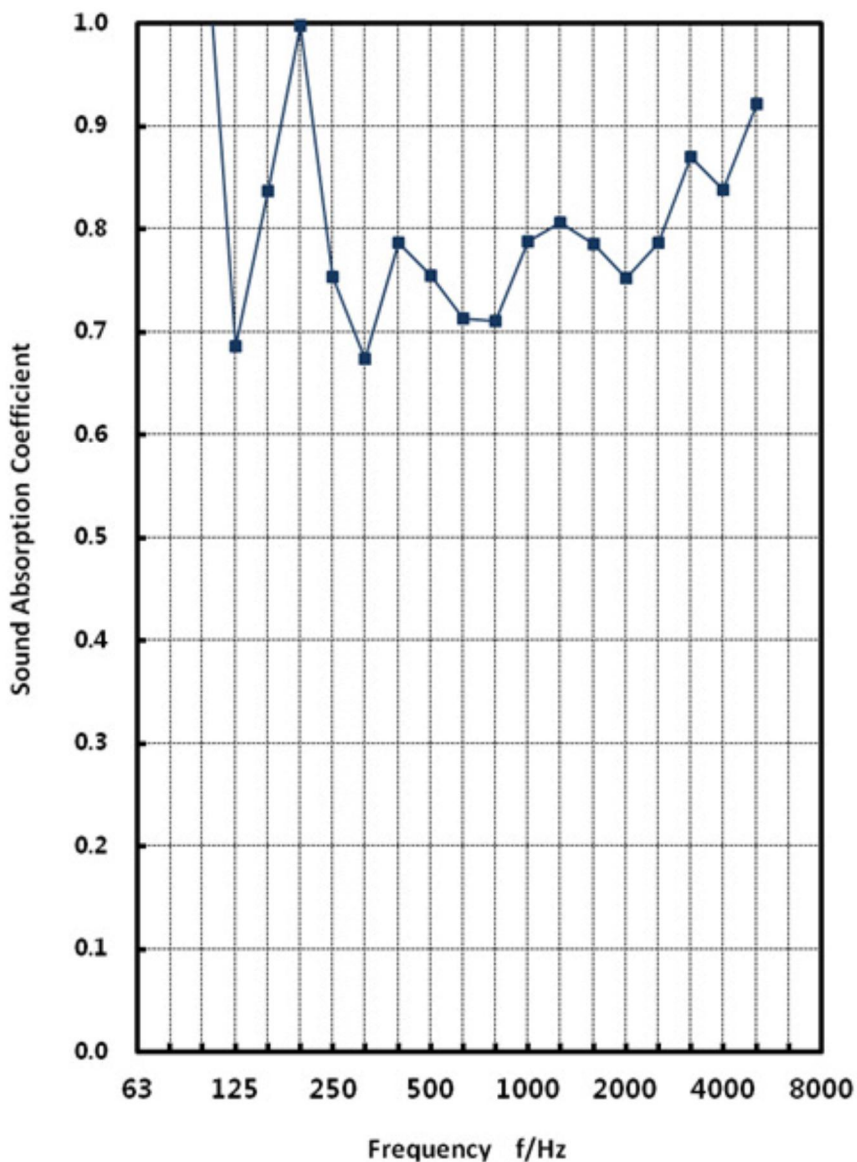
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Appendix 1:

f Hz	α_s
100	1.14
125	0.69
160	0.84
200	1.00
250	0.75
315	0.67
400	0.79
500	0.75
630	0.71
800	0.71
1000	0.79
1250	0.81
1600	0.79
2000	0.75
2500	0.79
3150	0.87
4000	0.84
5000	0.92
α_w	0.80



***** To be continued*****

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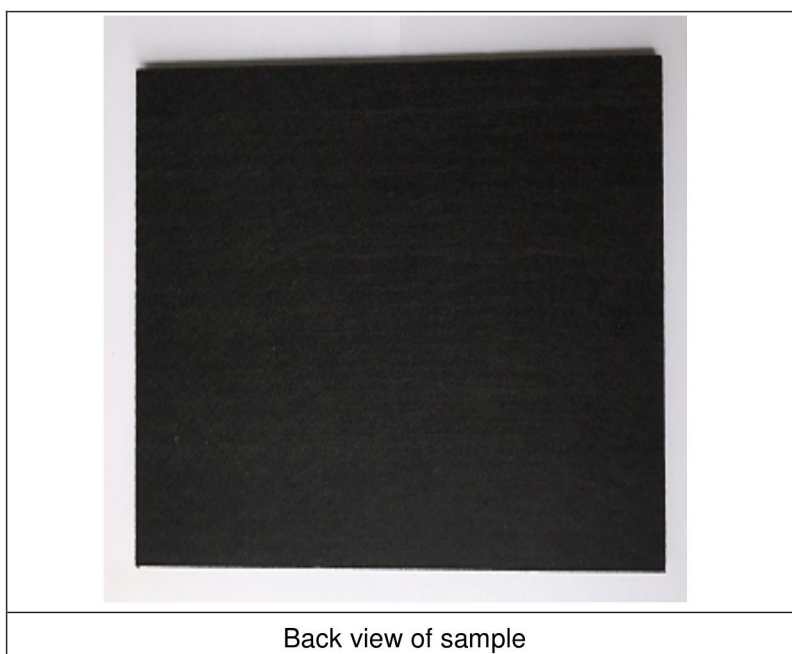
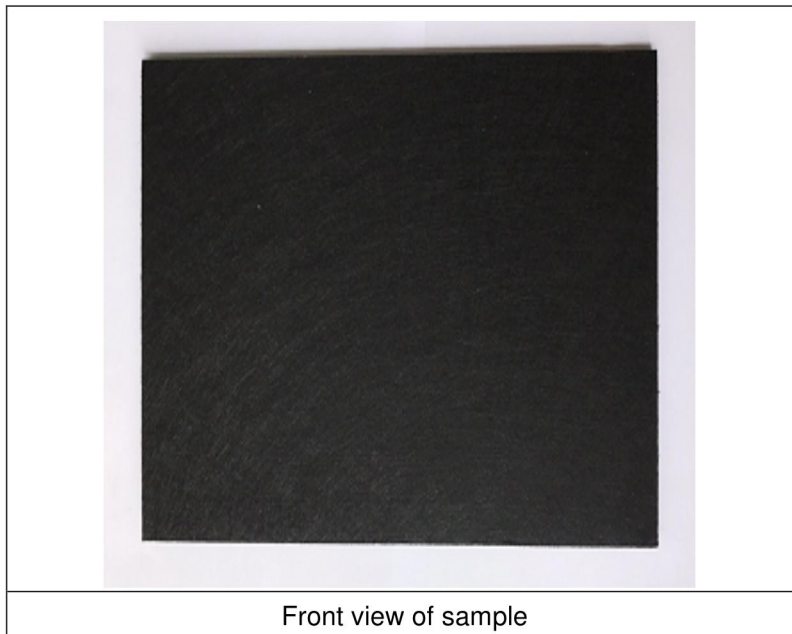
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Photo Appendix:



SGS authenticate the photo(s) on original report only
*****End of report*****

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