

TEST REPORT

No. : XMCCM170300154

Date : Jun.8, 2017

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CHANGSHU KINGKUS NEW MATERIAL CO., LTD.
CHANGSHENG ROAD, CHANGSHU CITY, JIANGSU PROVINCE, CHINA

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 : CHANGSHU KINGKUS NEW MATERIAL CO., LTD.
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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Xiamen Branch Testing Center/Commercial Construction Material Laboratory | 中国·福建·厦门·火炬(翔安)产业区翔虹路31号 邮编:361101 t (86-592) 5765857 f (86-592) 5765380 e sgs.china@sgs.com

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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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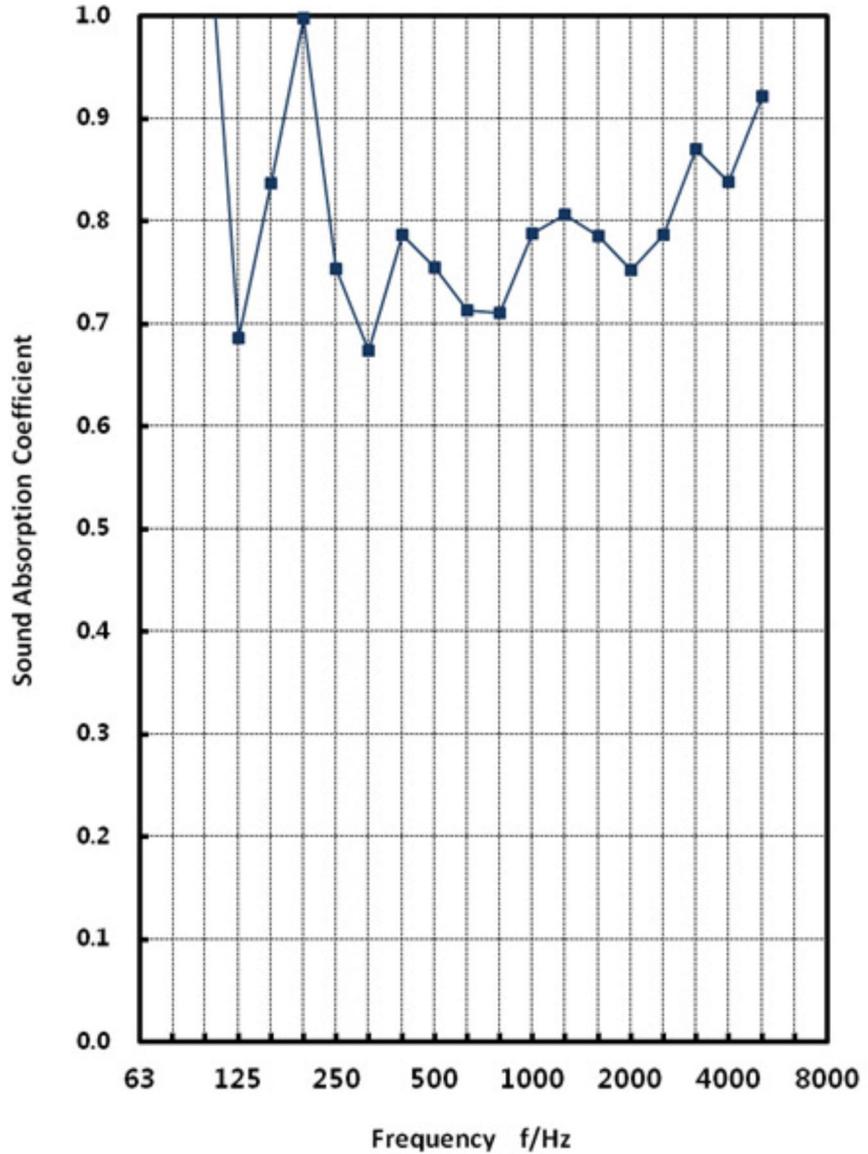
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Appendix 1:

<i>f</i> 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_ω	0.80



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

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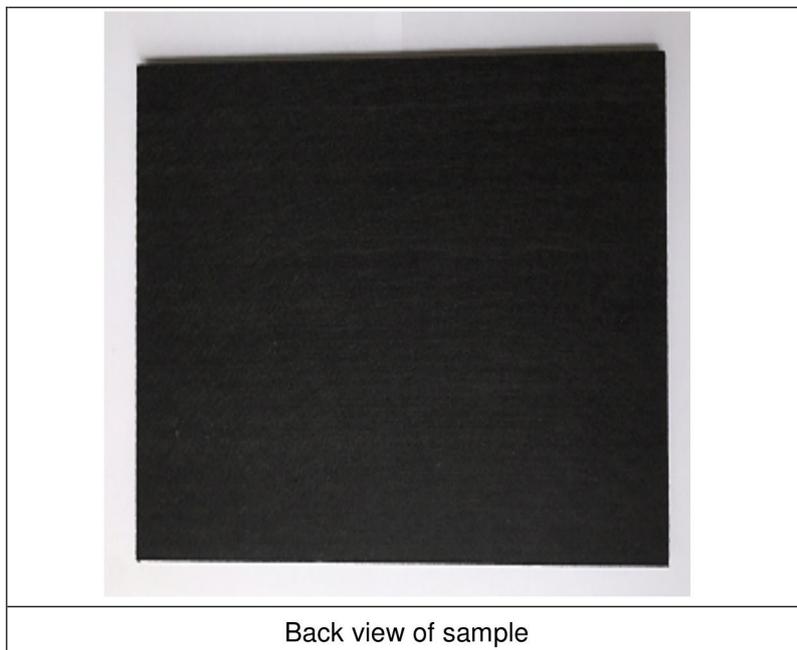
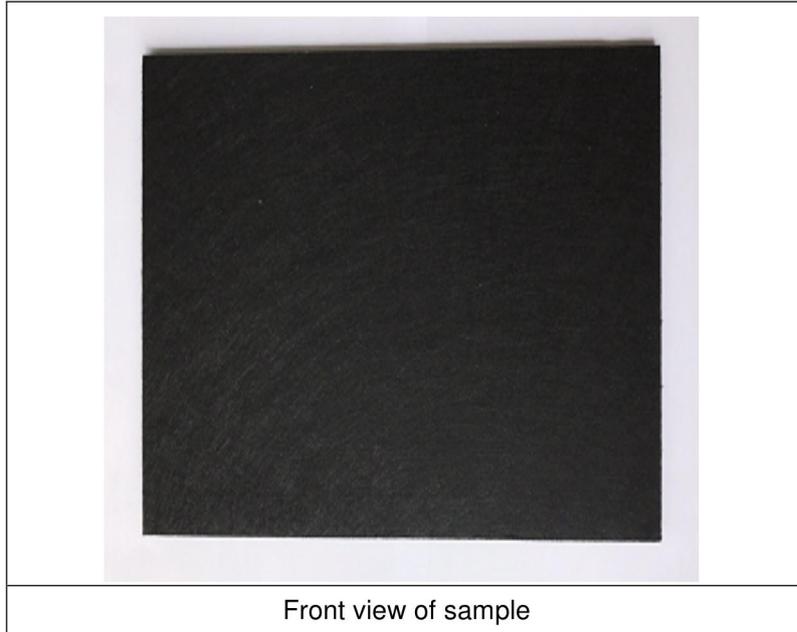
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Photo Appendix:



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

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