



## TEST REPORT

No. : XMCCM161201819-2.2

Date : Jan.04, 2017

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CUSTOMER NAME: CHANGZHOU OUYA PACKING MATERIALS FACTORY  
ADDRESS: NO.18 QINGFENG SOUTH ROAD, HENGLIN TOWN, WUJIN DISTRICT,  
CHANGZHOU, CHINA

Sample Name : 1.5MM HIGH QUALITY EVA ACOUSTIC FOAM

Sample Info. : OYT-1.5

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.

\*\*\*\*\*

Test Required : Selected test(s) as requested by applicant  
Date of Receipt : Dec.20, 2016  
Testing Start Date : Dec.20, 2016  
Testing End Date : Jan. 04, 2017  
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)

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

Signed for  
SGS-CSTC Standards Technical  
Services Co., Ltd. XM Branch

Civi Huang Authorized Signatory



SGS-CSTC Standards Technical Services Co., Ltd.  
Xiamen Branch Testing Center Commercial Construction Material Laboratory

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### Test Conducted:

Refer to ASTM E90-09 Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements

ASTM E413-16 Classification for Rating Sound Insulation

### Test Condition:

Sample Description : 1.5MM HIGH QUALITY EVA ACOUSTIC FOAM  
Total thickness:1.5mm, surface density: about 0.22kg/m<sup>2</sup>

Project description : No decoration of sample surface, sample installation was assembled directly.  
The test specimen was covered on a 140mm concrete floor with a drop ceiling,  
testing area 11.3m<sup>2</sup>, the drop ceiling construction showed in appendix2  
Drop ceiling: 238mm cavity,50mm glass wool,12mm gypsum board

Test method : Two adjacent rooms, one the source room directly above the other the receiving room. Taken the only significant sound transmission path between rooms is by way of the test partition. An approximately diffuse sound field is produced in the source room. Sound incident on the test partition causes it to vibrate and create a sound field in the receiving room.

Test Equipment : RTA840 system

Test Environment : Source room volume 125m<sup>3</sup>, receiving room volume 100m<sup>3</sup>,  
air temperature 18.4°C, air humidity 24.8%

### Test Result

Test Item	Test Standard	Result
Airborne sound transmission loss test and class	ASTM E90-09 ASTM E413-16	<b>STC = 67</b>

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



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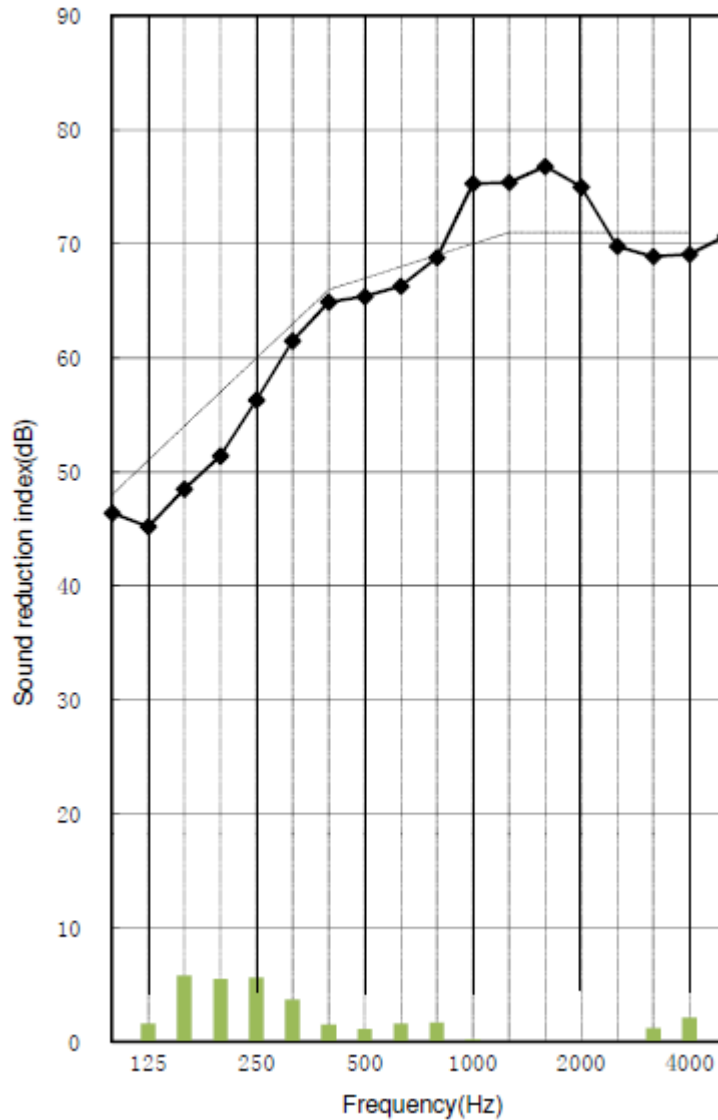
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### Appendix 1:

<i>f</i> Hz	<i>TL</i> dB
100	46.4
125	45.2
160	48.5
200	51.4
250	56.3
315	61.5
400	64.9
500	65.4
630	66.3
800	68.8
1000	75.3
1250	75.4
1600	76.8
2000	75.0
2500	69.8
3150	68.9
4000	69.1
5000	70.7
<b>STC</b>	<b>67</b>



Remark: *TL* is the transmission loss

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



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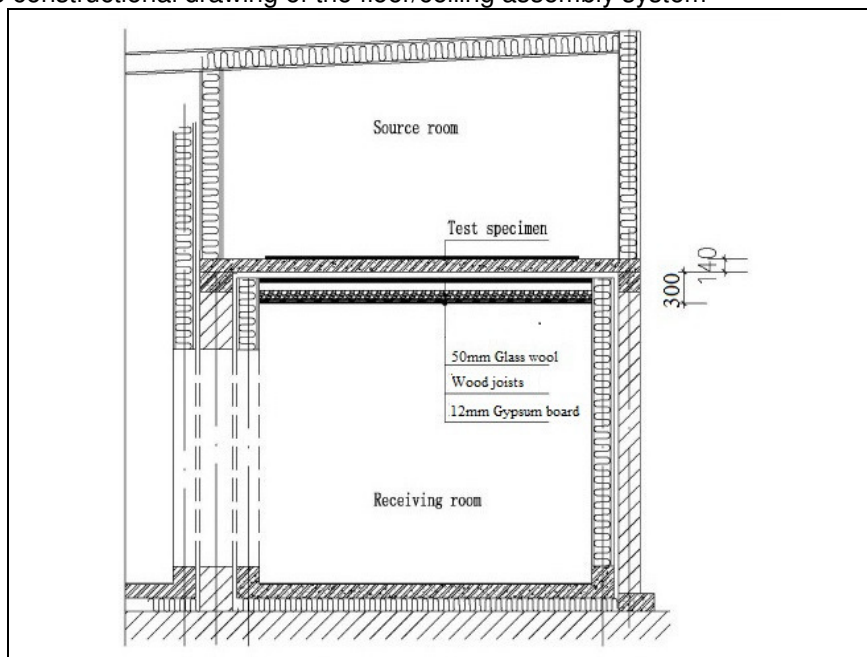
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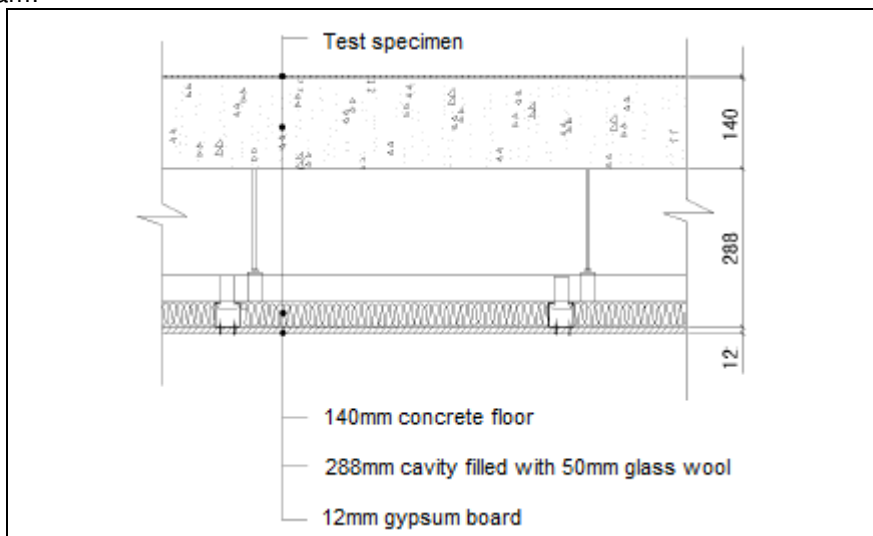
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### Appendix 2: The constructional drawing of the floor/ceiling assembly system



### Schematic diagram:



Note: The above test was carried out by an external laboratory assessed as competent.

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



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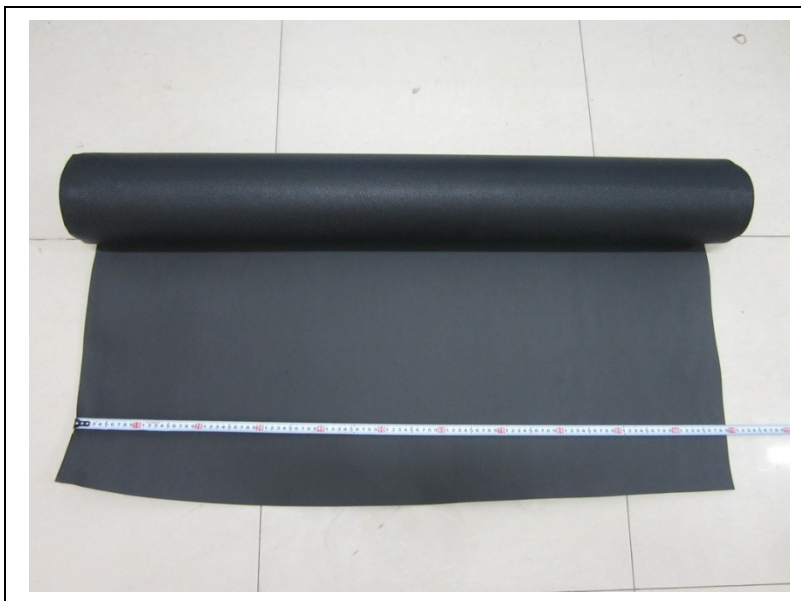
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### Photo Appendix:



SGS authenticate the photo on original report only  
\*\*\*\*\*End of report\*\*\*\*\*



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