



TEST REPORT

No. : XMIN171002223CCM

Date : Nov.03, 2017

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CUSTOMER NAME: CFL FLOORING (CHINA) CO., LTD
ADDRESS: NO.111 CHANGJIANG ROAD, JIASHAN DEVELOPMENT AREA, JIAXING,
P.R. CHINA

Sample Name : RIGID LVT
Spec. : 5.5mm with 1 mm backing
Manufacturer : CFL FLOORING (CHINA) CO., LTD

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 : Oct.19, 2017
Testing Start Date : Oct.19, 2017
Testing End Date : Oct.29, 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 ISO 10140-2:2010 Acoustics -- Laboratory measurement of sound insulation of building elements --

Part 2: Measurement of airborne sound insulation

ISO 717-1:2013 Acoustics -- Rating of sound insulation in buildings and of building elements -- Part 1:

Airborne sound insulation

Test Condition:

Sample Description : RIGID LVT (see the photo)
Total Thickness:6.5mm, surface density: about 10.2kg/m²

Project description : No decoration of sample surface, sample installation was assembled directly.
The test specimen was covered on a 150mm concrete floor with a drop ceiling,
testing area 11.3m², the drop ceiling construction showed in appendix2
Drop ceiling: 288mm cavity filled with 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 125m³, receiving room volume 100m³,
air temperature 21.8°C, air humidity 55.4%

Test Result

Test Item	Test Standard	Result
Measurement of Airborne Sound Insulation	ISO 10140-2:2010 ISO 717-1:2013	R_w = 67 dB

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



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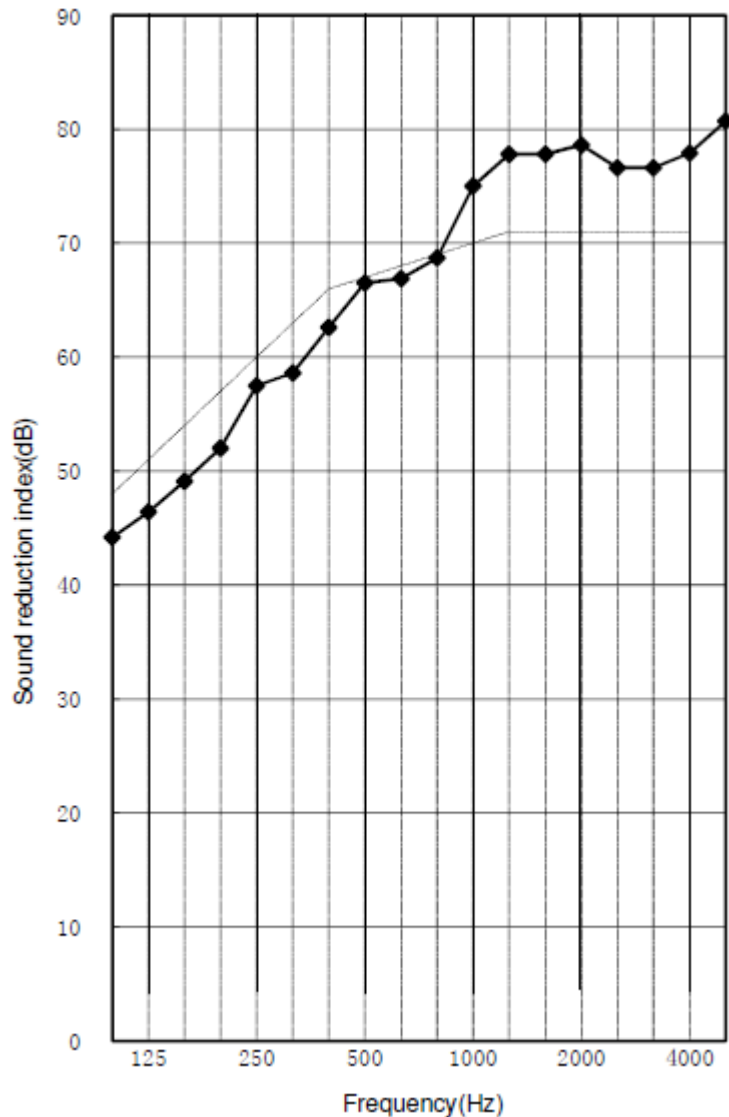
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Appendix 1:

f Hz	TL dB
100	44.2
125	46.4
160	49.1
200	52.0
250	57.5
315	58.6
400	62.6
500	66.5
630	66.9
800	68.7
1000	75.0
1250	77.8
1600	77.8
2000	78.6
2500	76.6
3150	76.6
4000	77.9
5000	80.7
$R_w(C;C_{tr}) = 67(-2;-7)\text{dB}$	



Remark: TL is the transmission loss.

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



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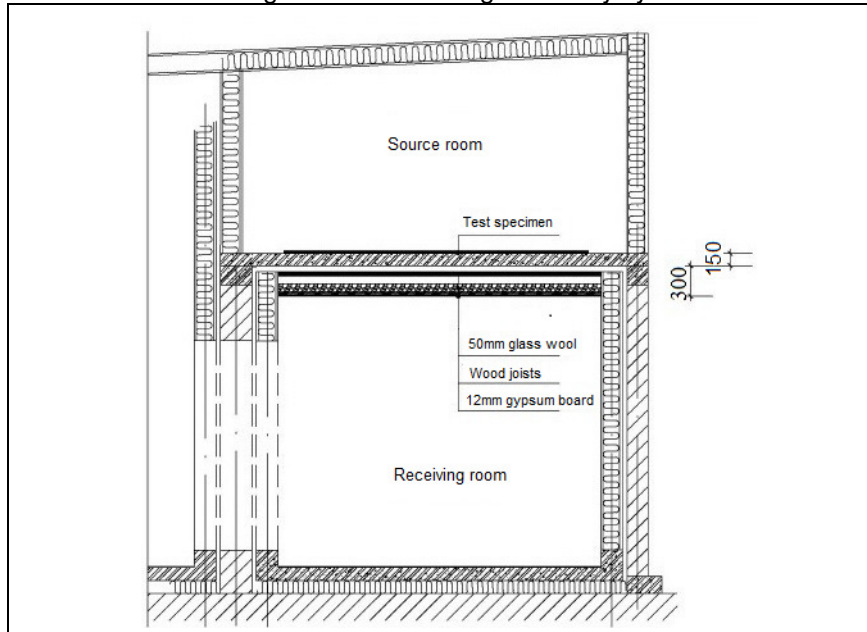
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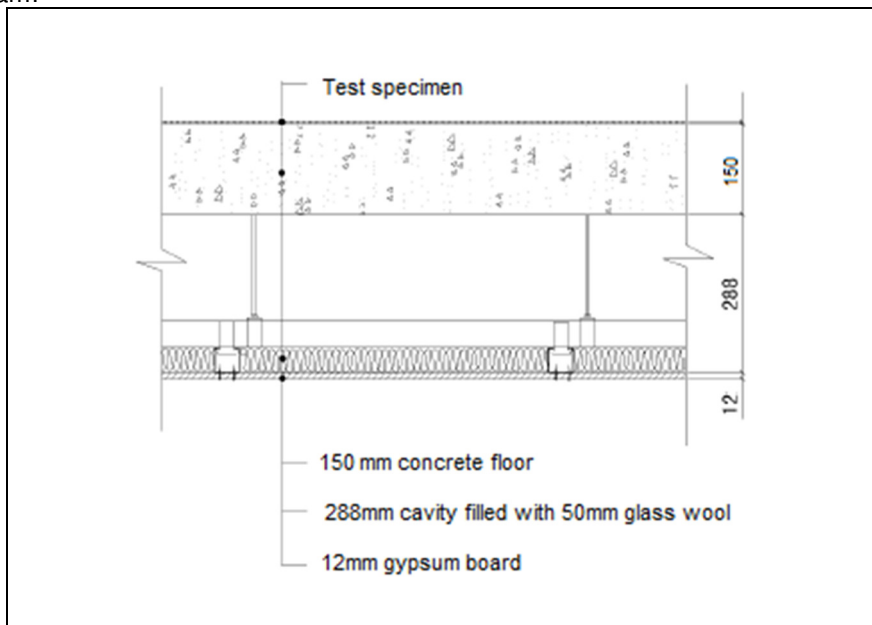
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Appendix 2: The constructional drawing of the floor/ceiling assembly system



Schematic diagram:



Note: The above test was carried out by Center for Building Environment Test, Tsinghua University.

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



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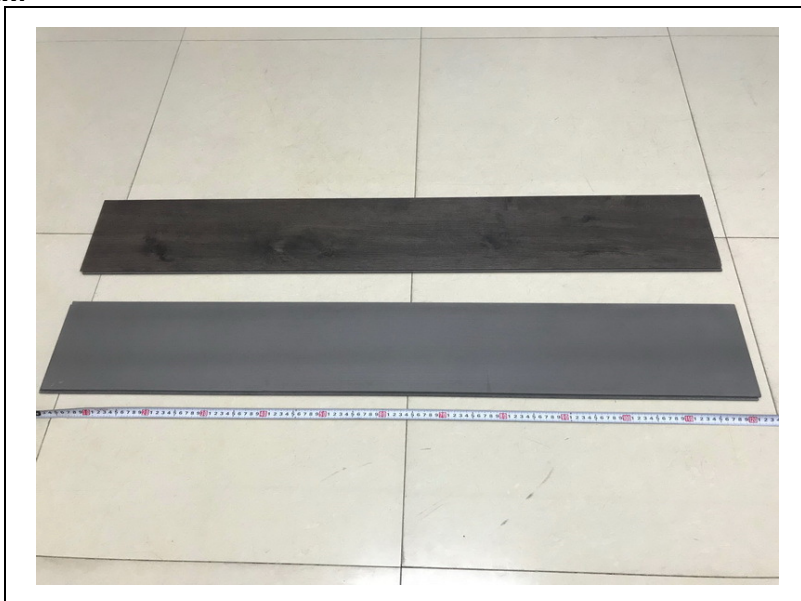
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Photo Appendix:



SGS authenticate the photo on original report only
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