



TEST REPORT

No. : XMIN180100065CCM

Date : Jan.19, 2018

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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 : 4mm with 1mm 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 : Jan.05, 2018
 Testing Start Date : Jan.05, 2018
 Testing End Date : Jan.15, 2018
 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



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SGS-CSTC Standards Technical Services Co., Ltd.
 Inspection & Testing Services

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Test Conducted:

Refer to ISO 10140-3:2010 Acoustics -- Laboratory measurement of sound insulation of building elements -- Part 3: Measurement of impact sound insulation

ISO 717-2:2013 Acoustics -- Rating of sound insulation in buildings and of building elements -- Part 2: Impact sound insulation

Test Condition:

- Sample Description : RIGID LVT (see the photo)
Total Thickness:5mm, surface density: about 7.6kg/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. A standard tapping machine is placed in operation on the flooring system in source room. The average spectrum of the sound pressure levels produced by the tapping machine is measured in the receiving room.
- Test Equipment : RTA840 system
- Test Environment : Source room volume 125m³, receiving room volume 100m³,
air temperature 17.8°C, air humidity 23.8%

Test Result

Test Item	Test Standard	Result
Measurement of impact sound insulation	ISO 10140-3:2010 ISO 717-2:2013	$L_{n,w} = 42$ dB

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



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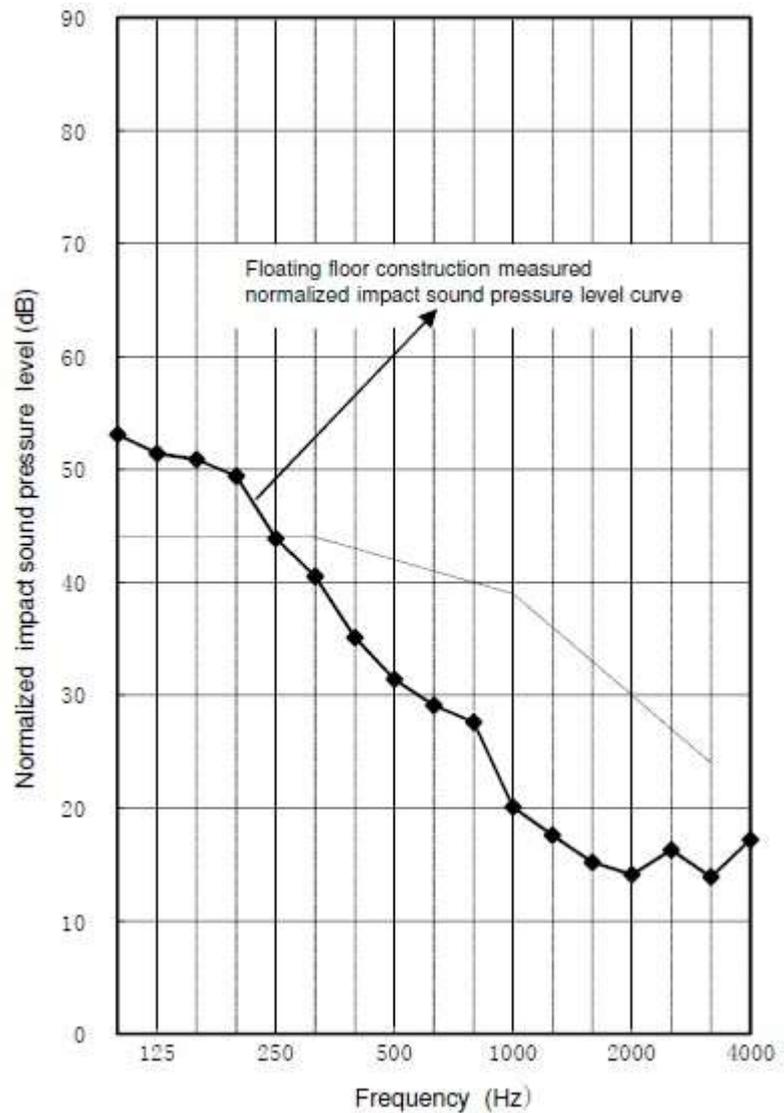
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Appendix 1:

<i>f</i> Hz	<i>L_n</i> dB
100	53.1
125	51.4
160	50.9
200	49.4
250	43.9
315	40.5
400	35.1
500	31.4
630	29.1
800	27.6
1000	20.1
1250	17.6
1600	15.2
2000	14.1
2500	16.3
3150	13.9
4000	17.2
<i>L_{n,w}</i> = 42dB; <i>C_{i,r}</i> = -2dB	



Remark: *L_n* as the weighted normalized impact sound pressure level

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



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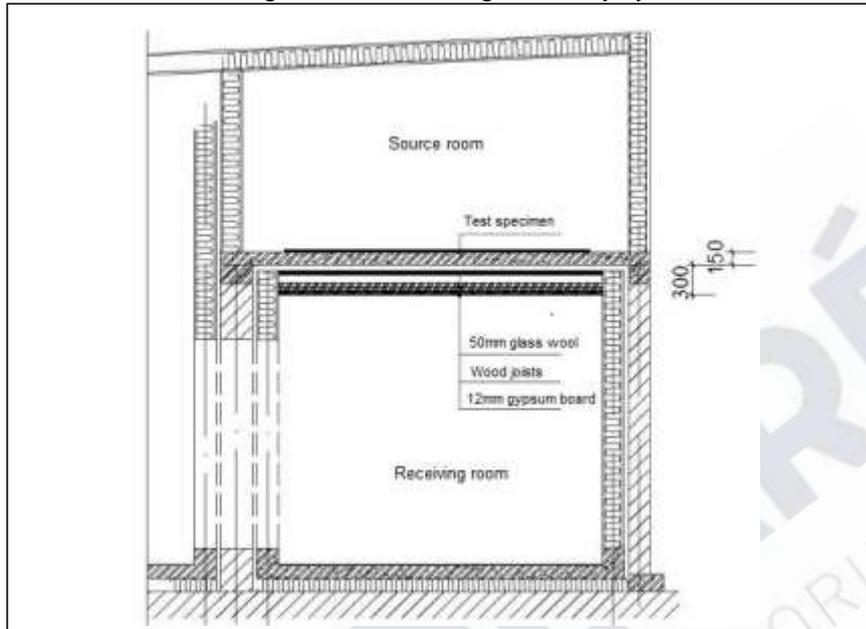
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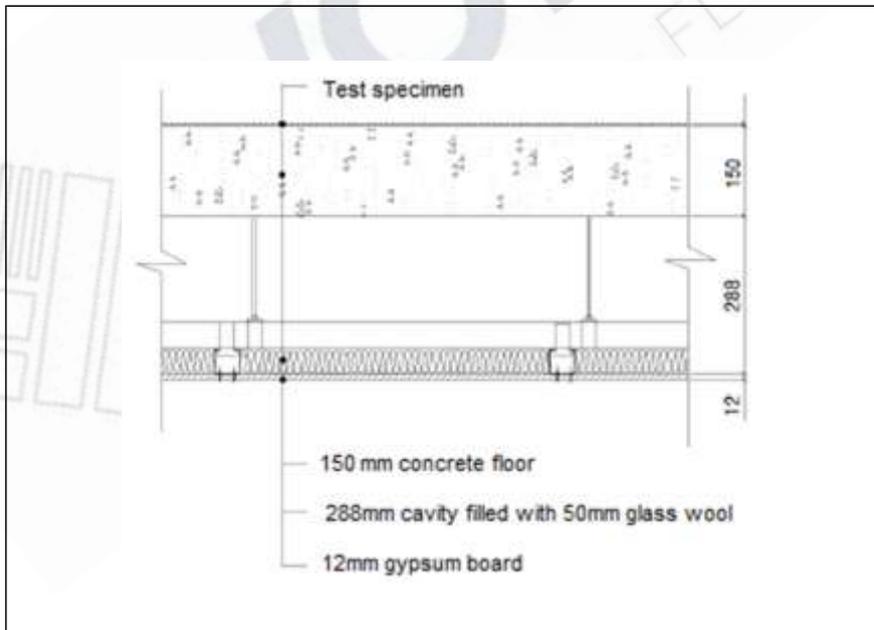
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Appendix 2: The constructional drawing of the floor/ceiling assembly system



Schematic diagram:



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



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Photo Appendix:



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



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