TEST REPORT

No. : XMIN180500945CCM
Date : May.28, 2018

CUSTOMER NAME: CFL FLOORING (CHINA) CO., LTD

ADDRESS: NO.111 CHANGJIANG ROAD, JIASHAN DEVELOPMENT AREA, JIAXING, P.R. CHINA

Sample Name	:	LAMINATE
Spec	:	12mm
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.

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Test Required	:	Selected test(s) as requested by applicant
Date of Receipt	:	May.21, 2018
Testing Start Date	:	May.21, 2018
Testing End Date	:	May.28, 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

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

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TEST REPORT

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	:	Flooring (see the photo) Total Thickness:12mm, surface density: about 10.5kg/m^2
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 11.3m^2, 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 125m^3, receiving room volume 100m^3, air temperature 20.7℃, air humidity 68.3%

Test Result

Test Item	Test Standard	Result
Measurement of impact sound insulation	ISO 10140-3:2010 ISO 717-2:2013	**$L_{n,w}$ = 43 dB**

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

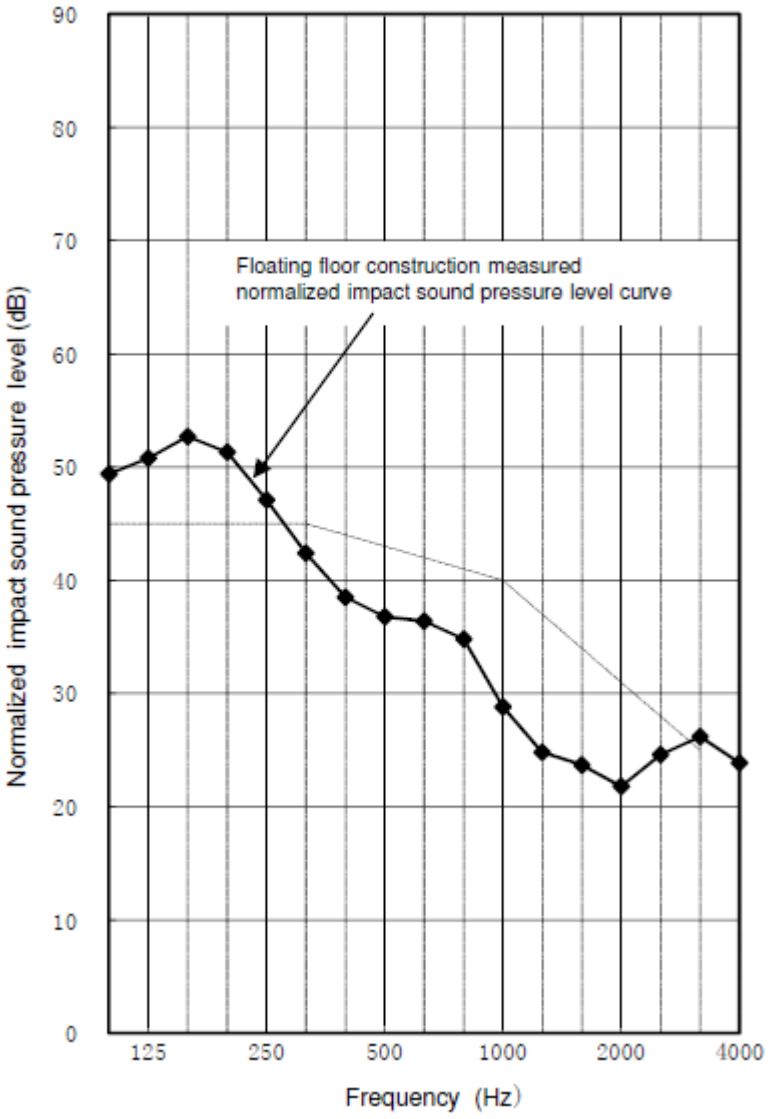
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Appendix 1:

f Hz	*Ln* dB
100 125 160	49.4 50.8 52.7
200 250 315	51.3 47.1 42.4
400 500 630	38.5 36.8 36.4
800 1000 1250	34.8 28.8 24.8
1600 2000 2500	23.7 21.8 24.6
3150 4000	26.2 23.9
$L_{n,w}$ = 43dB; $C_{I,r}$=-4dB	



Remark: L_n as the weighted normalized impact sound pressure level

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

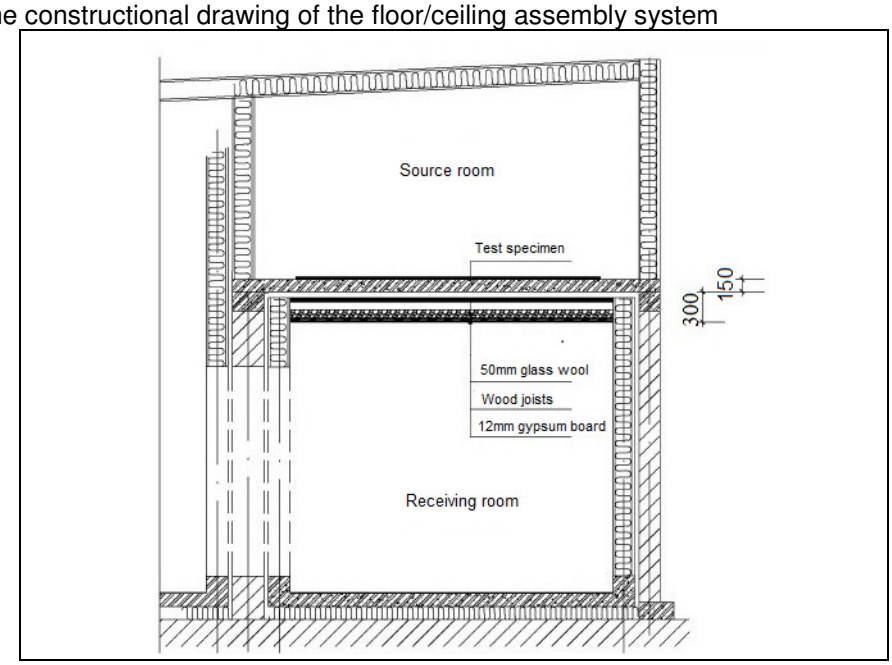
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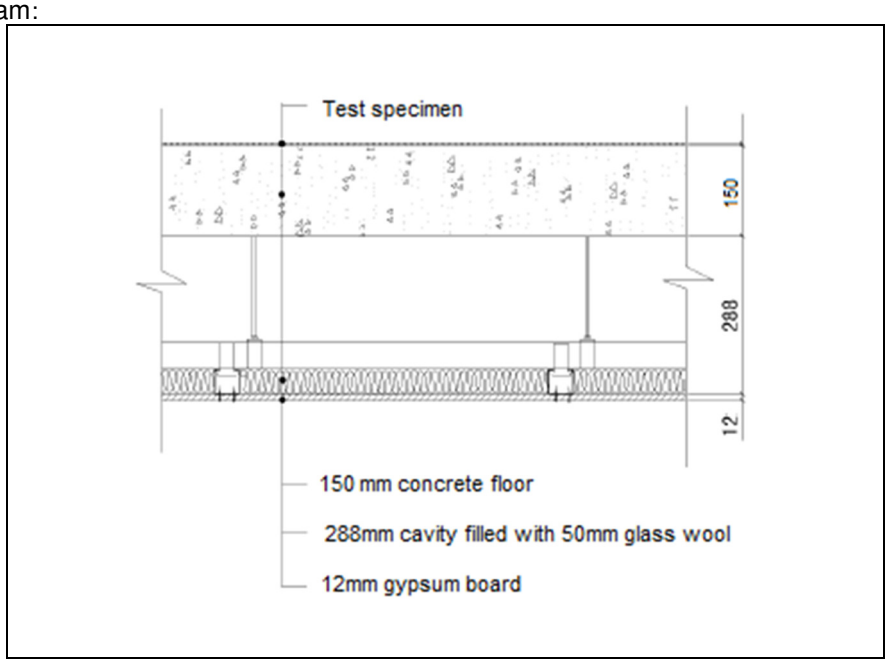
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Appendix 2: The constructional drawing of the floor/ceiling assembly system



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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