TEST REPORT

No. : XMIN180500937CCM
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	:	RIGID LVT
Spec.	:	4mm+1.5mm 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.

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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 Conducted:

Refer to ISO 10140-1:2016 Acoustics - Laboratory measurement of sound insulation of building elements - Part 1: Application rules for specific products

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:5.5mm, surface density: about 7.4kg/m^2
Project description	:	No decoration of sample surface, sample installation was assembled directly. The test specimen was covered on a 150mm concrete floor, testing area 11.3m^2
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 20.9℃, air humidity 68.6%

Test Result

Test Item	Test Standard	Result
Improvement of impact sound insulation	ISO 10140-1:2016 ISO 717-2:2013	ΔL_w =20 dB

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

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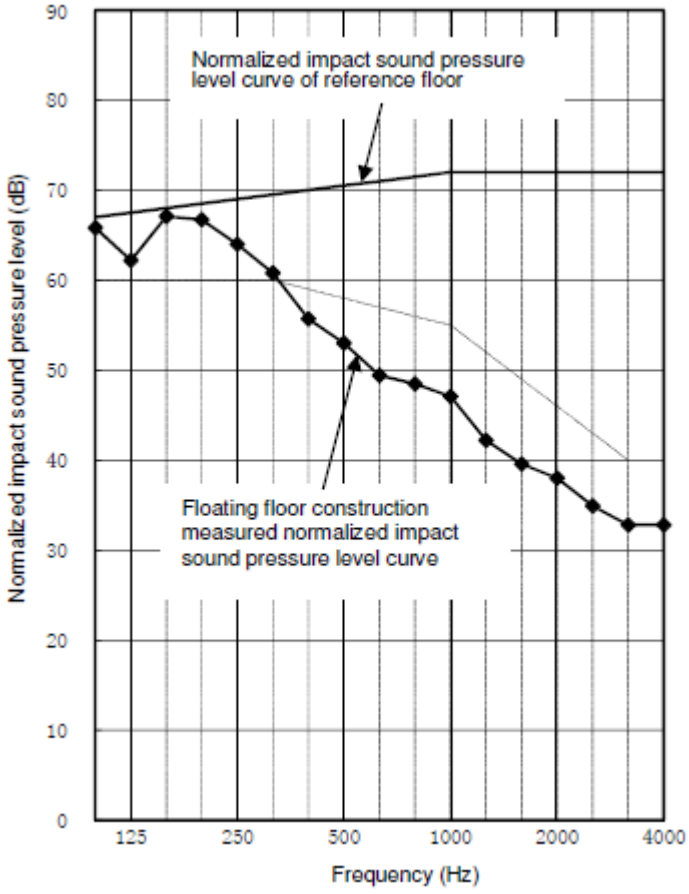
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Appendix 1:

Frequency spectrum of normalized impact sound pressure level

Frequency f(Hz)	$L_{n,w}$ (dB)	L_n(dB)	ΔL (dB)
100	67.0	65.8	1.2
125	67.5	62.2	5.3
160	68.0	67.1	0.9
200	68.5	66.7	1.8
250	69.0	64.0	5.0
315	69.5	60.8	8.7
400	70.0	55.7	14.3
500	70.5	53.0	17.5
630	71.0	49.4	21.6
800	71.5	48.5	23.0
1000	72.0	47.1	24.9
1250	72.0	42.2	29.8
1600	72.0	39.6	32.4
2000	72.0	38.0	34.0
2500	72.0	34.9	37.1
3150	72.0	32.8	39.2
4000	72.0	32.8	39.2
ΔL_w =20 dB ； $C_{I,\Delta}$=-6dB；			



Remark:
1. $L_{n,w}$ as the weighted normalized impact sound pressure level
2. L_n as the measured normalized impact sound pressure level
3. 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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