

TEST REPORT

No. : SHIN180100333CCM

Date : Feb. 07, 2018

Page: 1 of 4

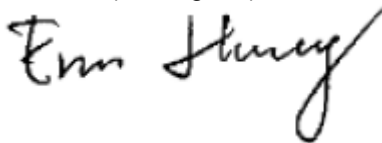
CUSTOMER NAME: LG HAUSYS LTD.
ADDRESS: 16F, ONE IFC, 10, GUKJEGEUMYUNG-RO, YEONGDEUNGPO-GU,
SEOUL, KOREA

Sample Name : LG LOOSELAY 5T
Material and Mark : PVC
Others : SGS Korea File No.: AYAA17-64015

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 : Impact sound reduction index
Test Method : ISO 10140-1:2016 Annex H & ISO 717-2:2013
Date of Receipt : Jan. 25, 2018
Testing Start Date : Jan. 25, 2018
Testing End Date : Feb. 07, 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)

Signed for
SGS-CSTC Standards Technical
Services (Shanghai) Co., Ltd.



Erin Huang
Authorized signatory



TEST REPORT

No. : SHIN180100333CCM

Date : Feb. 07, 2018

Page: 2 of 4

Test item: Impact sound reduction index

I. Test Method

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

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

II. Sample Details

Dimension	1124mm×229mm×4.5mm
Surface density	7.6kg/m ²

III. Test condition

Ambient temperature	16.8℃	Relative humidity	20.4%
The source room Volume	125m ³	The receiving room Volume	100m ³
Description of test arrangement	Test area: 15m ² The test sample was laid on the 140mm thick prefabricated floor.		

II. Test result

Rating according to ISO 717-2:2013:

$L_{n,w} = 67\text{dB}$, $\Delta L_w = 11\text{dB}$, $C_{l,r} = -10\text{dB}$, $C_{l,\Delta} = 0\text{dB}$

Note: $L_{n,w}$ is the weighted normalized impact sound pressure level, ΔL_w is the weighted reduction impact sound pressure level, based on the test performed with an artificial source under laboratory conditions (engineering method) with the specified reference floor.

$C_{l,r}$ is the spectrum adaptation term for $L_{n,w}$, $C_{l,\Delta}$ is the spectrum adaptation term for ΔL_w



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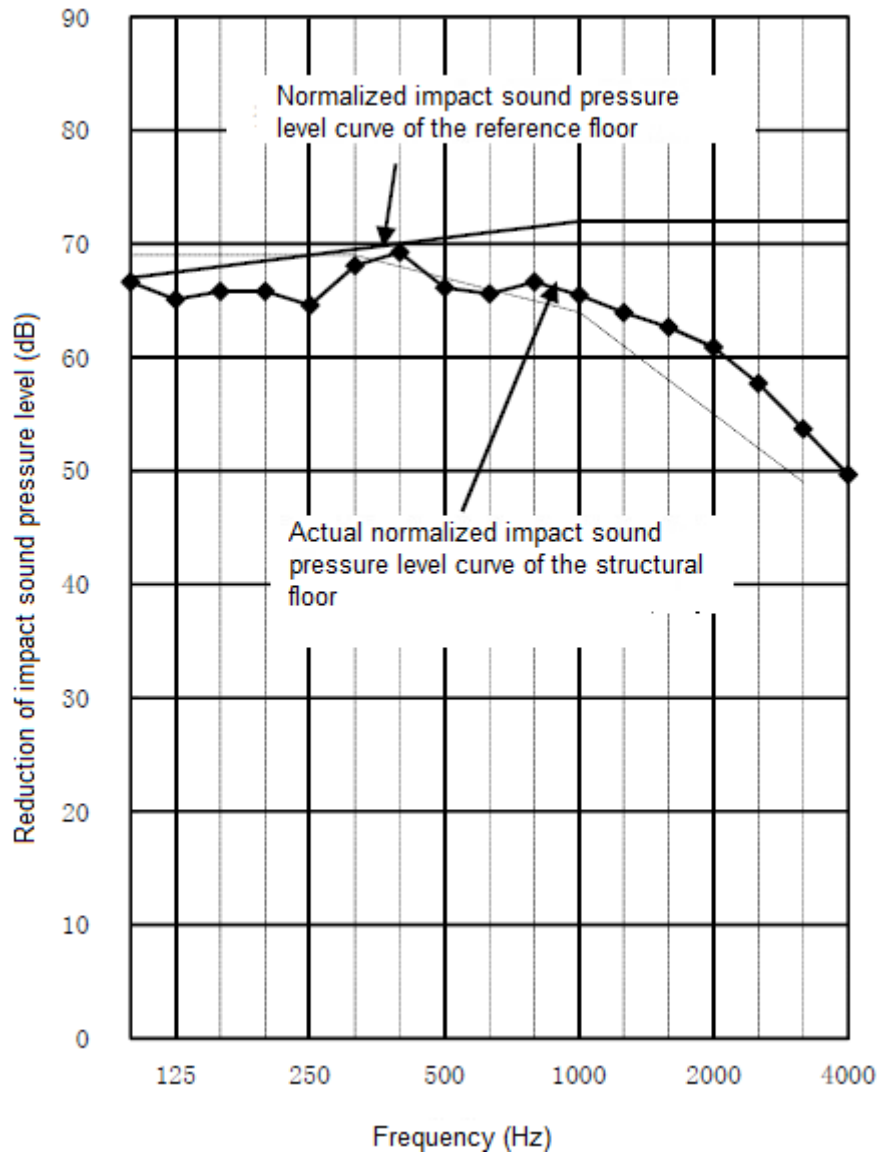
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No. : SHIN180100333CCM

Date : Feb. 07, 2018

Page: 3 of 4

f Hz	L _{n,r,o,w} dB	L _{n,r,w} dB	ΔL dB
100	67.0	66.6	0.4
125	67.5	65.1	2.4
160	68.0	65.8	2.2
200	68.5	65.8	2.7
250	69.0	64.6	4.4
315	69.5	68.1	1.4
400	70.0	69.3	0.7
500	70.5	66.1	4.4
630	71.0	65.6	5.4
800	71.5	66.7	4.8
1000	72.0	65.5	6.5
1250	72.0	63.9	8.1
1600	72.0	62.6	9.4
2000	72.0	60.9	11.1
2500	72.0	57.7	14.3
3150	72.0	53.7	18.3
4000	72.0	49.7	22.3



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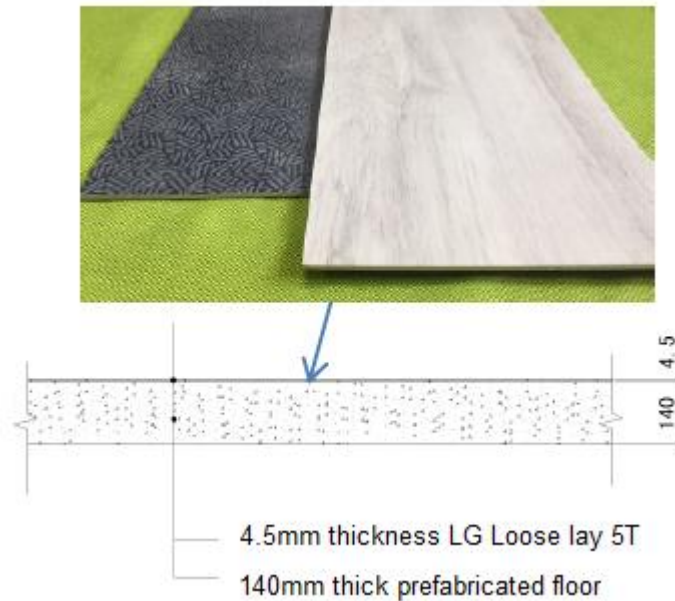
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No. : SHIN180100333CCM

Date : Feb. 07, 2018

Page: 4 of 4

Test schematic diagram:



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

***** End of report*****