



中国认可  
国际互认  
检测  
TESTING  
CNAS L3533

## TEST REPORT

No. : CZIN2303000025CM

Date: Mar 20, 2023

Page: 1 of 7

CUSTOMER NAME: CHANG ZHOU HUAREN DECORATIVE MATERIAL CO., LTD  
ADDRESS: NO.110 CHANGHONG ROAD, WUJIN DISTRICT, CHANGZHOU CITY, JIANGSU

Sample Name : LVT FLOORING  
Spec. : 1220\*180\*5mm

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 : Please see the next page(s)  
SGS Ref. No. SHIN2303000489CM  
Ref. Standard : Please see the next page(s)  
Date of Receipt : Mar 06, 2023  
Testing Start Date : Mar 06, 2023  
Testing End Date : Mar 17, 2023  
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  
Service (Changzhou)Co., Ltd.

Tiffany Liu  
Authorized signatory



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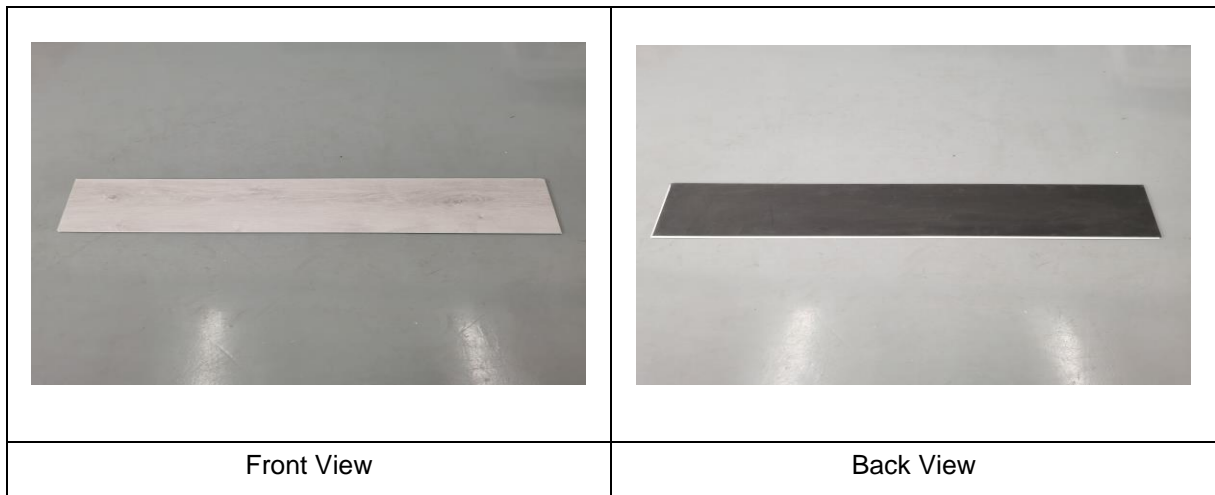
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## Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Impact Sound Insulation	EN ISO 10140-3:2021	See Result	/
2	Impact Sound Improvement	EN ISO 10140-1:2021 Annex H	See Result	/

Note: Pass: Meet the requirements;  
Fail: Does not meet the requirements;  
/: Not Apply to the judgment.

## Original Sample Photo(s):



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## 1. Test Item: Impact Sound Insulation

### I. Test Method

EN ISO 10140-3:2021 Acoustics - Laboratory measurement of sound insulation of building elements - Part 3: Measurement of impact sound insulation

### II. Sample Details

Dimensions	1220mm×180mm×5mm
Surface Density	About 8.41kg/m <sup>2</sup>

### III. Test Condition

Ambient Temperature	15.5°C	Relative Humidity	57.9%RH
Source Room Volume	70m <sup>3</sup>	Receiving Room Volume	85m <sup>3</sup>
Description of Test Arrangement	Test Area: 11.80m <sup>2</sup> (3.87m×3.05m) The test sample is laid directly on the 140mm thick prefabricated floor.		



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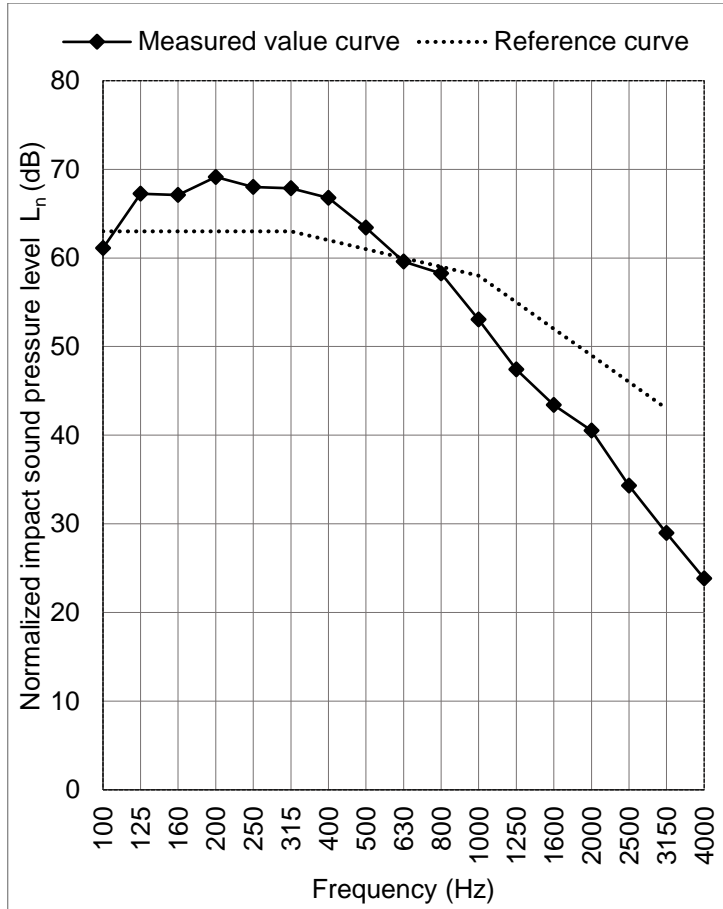
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## IV. Test Result

f Hz	L <sub>n</sub> dB
100	61.1
125	67.3
160	67.1
200	69.1
250	68.0
315	67.8
400	66.8
500	63.4
630	59.6
800	58.3
1000	53.1
1250	47.4
1600	43.4
2000	40.5
2500	34.3
3150	28.9
4000	23.8
5000	/



## V. Weighted Normalized Impact Sound Pressure Level

Rating according to EN ISO 717-2:2020:

L<sub>n,w</sub> = 61dB, C<sub>i</sub> = 0dB

Note: L<sub>n,w</sub> is the weighted normalized impact sound pressure level, based on the test performed with an artificial source under laboratory conditions (engineering method) with the specified reference floor.

C<sub>i</sub> is the spectrum adaptation term for L<sub>n,w</sub>, the corresponding spectrum correction should be added.



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## 2. Test Item: Impact Sound Improvement

### I. Test Method

EN ISO 10140-1:2021 Acoustics - Laboratory measurement of sound insulation of building elements - Part 1: Application rules for specific products, Annex H

### II. Sample Details

Dimensions	1220mm×180mm×5mm
Surface density	About 8.41kg/m <sup>2</sup>

### III. Test Condition

Ambient temperature	15.5°C	Relative humidity	57.9%RH
The source room Volume	70m <sup>3</sup>	The receiving room Volume	85m <sup>3</sup>
Description of test arrangement	Test Area: 11.80m <sup>2</sup> (3.87m×3.05m) The test sample is laid directly on the 140mm thick prefabricated floor.		



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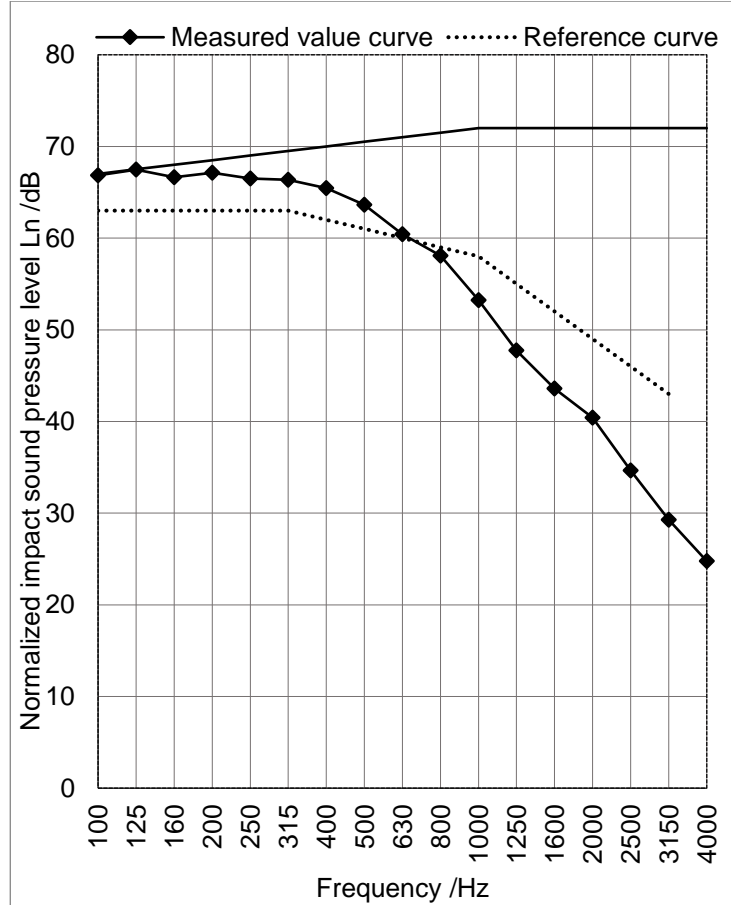
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## IV. Test Result

f Hz	$L_{n,r,0}$ dB	$L_{n,r}$ dB	$\Delta L$ dB
100	67.0	66.8	0.2
125	67.5	67.5	0.0
160	68.0	66.6	1.4
200	68.5	67.1	1.4
250	69.0	66.5	2.5
315	69.5	66.4	3.1
400	70.0	65.4	4.6
500	70.5	63.6	6.9
630	71.0	60.4	10.6
800	71.5	58.1	13.4
1000	72.0	53.2	18.8
1250	72.0	47.7	24.3
1600	72.0	43.6	28.4
2000	72.0	40.4	31.6
2500	72.0	34.7	37.3
3150	72.0	29.3	42.7
4000	72.0	24.8	47.2
5000	/	/	/



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## V. Weighted Reduction of Impact Sound Pressure Level

Rating according to EN ISO 717-2:2020:

$L_{n,r,w} = 61\text{dB}$ ,  $\Delta L_w = 17\text{dB}$ ,  $C_{i,r} = 0\text{dB}$ ,  $C_{i,\Delta} = -11\text{dB}$

Note:  $L_{n,r,w}$  is the weighted normalized impact sound pressure level,  $\Delta L_w$  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.

$C_{i,r}$  is the spectrum adaptation term for  $L_{n,r,w}$ ,  $C_{i,\Delta}$  is the spectrum adaptation term for  $\Delta L_w$ . In the case of the actual sound source impact, the corresponding spectrum correction should be added.

Note: This declaration of conformity is only based on the result of this laboratory activity, the impact of the uncertainty of the results was not included.

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



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