

JIANGSU ZHONGXINHE NEW MATERIAL TECHNOLOGY CO., LTD TEST REPORT

SCOPE OF WORK

12mm Cork

REPORT NUMBER

201029003SHF-009

TEST DATE(S)

2022-10-29 - 2022-11-30

ISSUE DATE

2022-11-30

PAGES

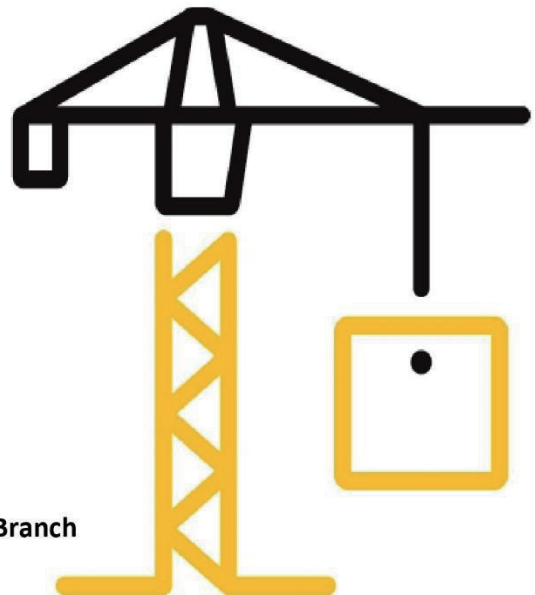
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DOCUMENT CONTROL NUMBER

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Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch



Test Report

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Test Report

Issue Date: 2022-11-30 Intertek Report No. 201029003SHF-009
Applicant: JAINGSU ZHONGXINHE NEW MATERIAL TECHNOLOGY CO.,LTD
Address: NO.28 XINCHUN ROAD JINDONG INDUSTRIAL PARK CHANGZHOU CITY, JIANGSU PROVINCE, CHINA
Attn: James
Manufacturer: JAINGSU ZHONGXINHE NEW MATERIAL TECHNOLOGY CO.,LTD
Address: NO.28 XINCHUN ROAD JINDONG INDUSTRIAL PARK CHANGZHOU CITY, JIANGSU PROVINCE, CHINA
Test Type: Performance test, samples provided by the applicant.

Product Information

Product Name	12mm Cork	Brand	/
Sample Description	Good Condition	Sample Amount	15m ²
		Received Date	2022-11-03
Sample ID	Model	Specification	
S201029003SHF.009	/	12mm laminate+ 12mm Cork	

Test Methods And Standards

Test Standard	ASTM E492-09(2016) ^{e1}
Specification Standard	ASTM E989-18
Test Conclusion	The samples were tested according to the above standards, and the results are shown in the following page.

Note:

1.This report relates specifically to the sample(s) that were drawn and provided by the applicant or their nominated third party. The reported result(s) provide no warranty or verification on the sample(s) representing any specific goods and/or shipment and only relate to the sample(s) as received and tested.

Report Authorized


Name: Mason Wang Title: Reviewer
Name: Nicole Shi Title: Project Engineer

Test Report

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Test Items, Method and Results:

Test Item: Laboratory Measurement of Impact Sound Transmission

Test method: ASTM E492-09(2016)^{ε1}

Temperature: 18 °C Relative Humidity: 90 %

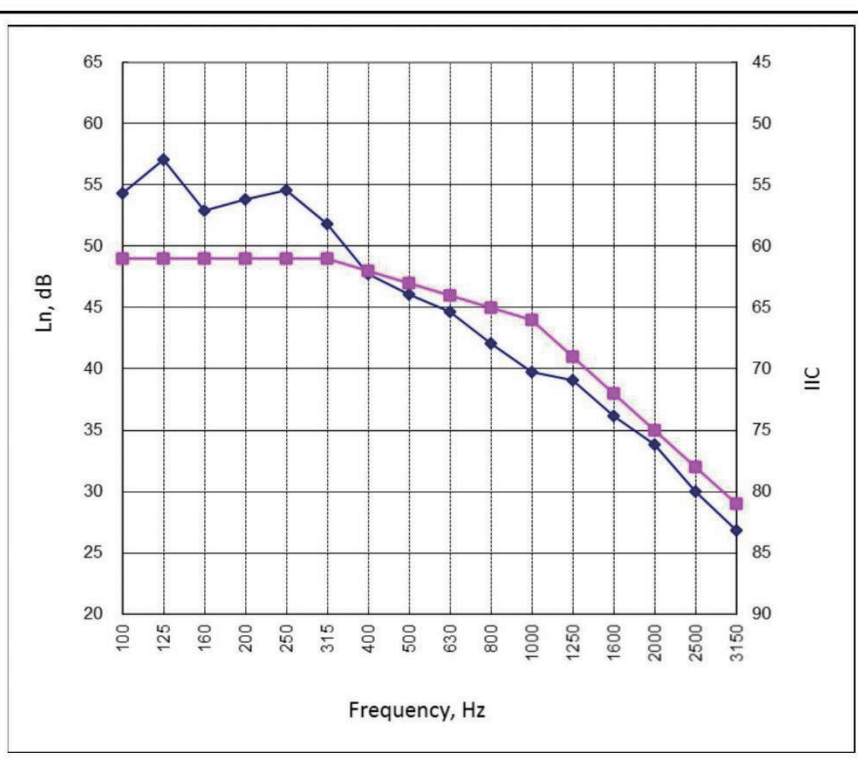
Volume of Source Room: 77 m³ Volume of Receiving Room: 104 m³

Specimen area: 12.1 m²

Floor-Ceiling Assemblies: The system consisted of 150mm thick concrete floor with a drop ceiling below forming the horizontal separation between two room, one directly above the other. The drop ceiling consisted of 350mm deep light steel bar joists spaced 1200mm on centre. Two layers of 12mm thick gypsum boards were fixed on the bar. The 50mm thick glass wool batts were placed in the 350mm space. The 11.8mm laminate flooring with 6mm cork were placed on the concrete floor.

Mounting of the specimen: Floating installation with click joints

Frequency (Hz)	Ln (dB)
100	54
125	57
160	53
200	54
250	55
315	52
400	48
500	46
630	45
800	42
1000	40
1250	39
1600	36
2000	34
2500	30
3150	27



Calculated Impact Insulation Class: IIC 66

Note:

1. Ln = Normalized Impact Sound Pressure Level
2. Classified IIC in accordance with ASTM E989-18, Standard Classification for Determination of Impact Insulation Class. This classification was used with one-third octave bands.
3. The IIC was for the whole floor-ceiling assemblies.

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Test Photos:



Test set up



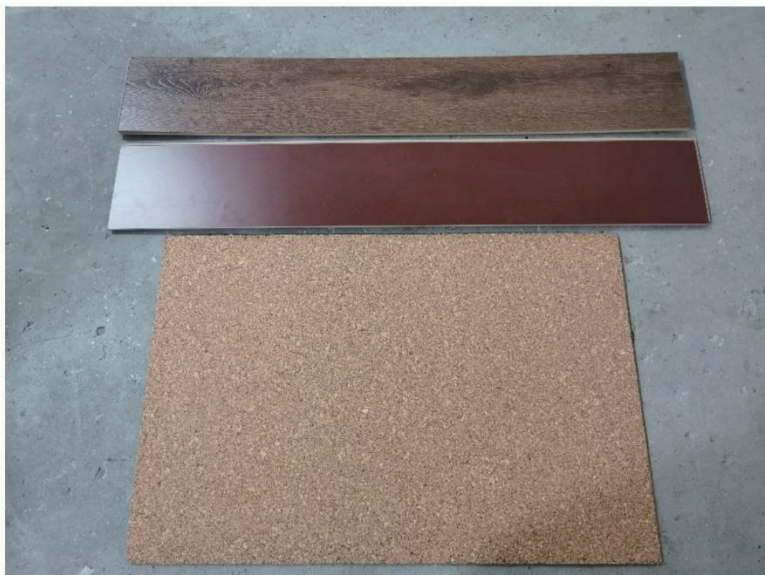
Ceiling Assembly

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Appendix A: Sample Received Photo



Revision:

NO.	Date	Changes	Author	Reviewer
201029003SHF-009	2022-11-30	First issue	Nicole Shi	Mason Wang