

TEST REPORT

No. : XMIN2203002376CM

Date : Apr 15, 2022

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CUSTOMER NAME: NEWTECHWOOD AMERICA INC.
ADDRESS: 15912 INTERNATIONAL PLAZA DR. HOUSTON, TEXAS, 77032

Sample Name : SPC
Material and Mark : PVC
Other Information : Type No.: MOAM8
Colour: Wood
Density: 12 kg/m²
Thickness: 7.0/0.5 (9" * 72")
Intended Use: Flooring

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.

Date of Receipt : Mar 14, 2022
Testing Start Date : Mar 14, 2022
Testing End Date : Apr 15, 2022
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 Co., Ltd Xiamen Branch
Testing Center

Civi Huang
Authorized signatory



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

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中国·福建·厦门·火炬(翔安)产业区翔虹路31号

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Summary of Results:

No.	Test Item	Test Method	Result
1	Determination of Impact Sound Insulation Class	ASTM E492-09(2016) ^{ε1} ASTM E989-21	IIC = 73
2	Airborne sound transmission loss test and class	ASTM E90-09(2016) ASTM E413-16	STC = 72

Original Sample Photo:



Sample

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Xiamen Branch Testing Center (Xiamen Construction Material Laboratory)

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Test Condition:

Sample Description : Flooring (see the photo)
Total Thickness:7.0mm, surface density: about 11.8 kg/m²

Test conducted : IIC: ASTM E492-09(2016)^{ε1}, ASTM E989-21
STC: ASTM E90-09(2016), ASTM E413-16

Project description : No decoration of sample surface and installation assembled directly.
The test specimen was covered on a 200mm concrete floor with a drop ceiling, testing area 11.3m², the drop ceiling construction showed in following
Drop ceiling: 288mm cavity filled with 100mm glass wool, 2 layers of 12mm gypsum board.

Test Equipment : RTA840 system

Test Environment : Source room volume 125m³, receiving room volume 100m³, air temperature 19.8 °C, air humidity 40.2%

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SGS-CSTC Inspection & Testing Services Co., Ltd.
Xiamen Branch Testing Center Quality Construction Material Laboratory

TEST REPORT

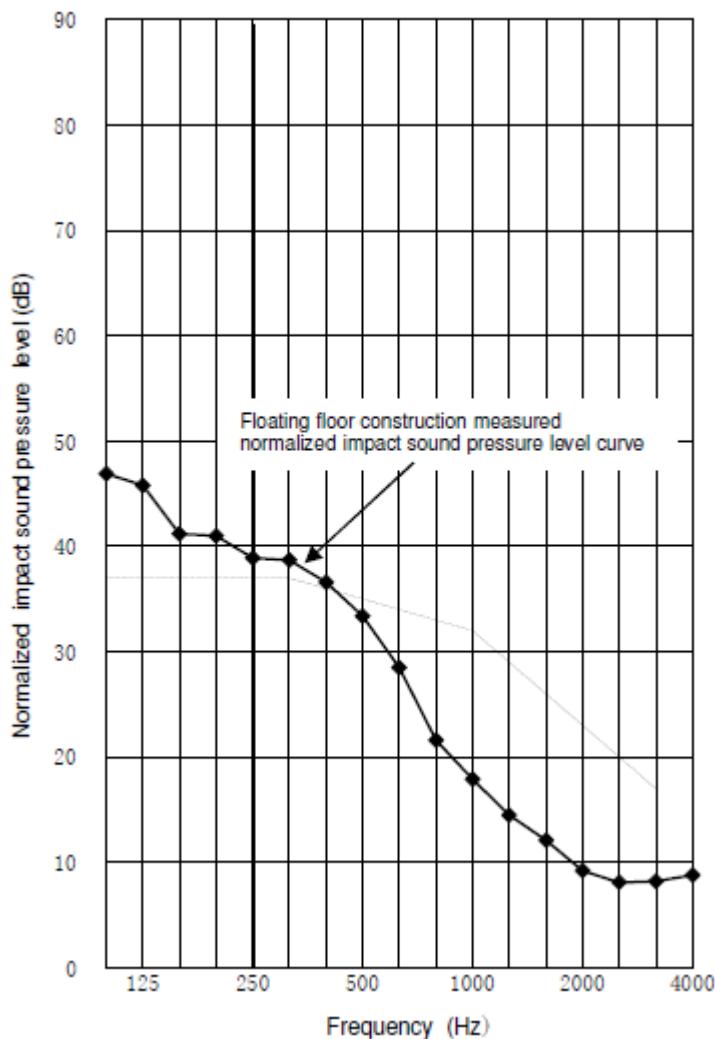
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Frequency spectrum (IIC)

f Hz	L_n dB
100	46.9
125	45.8
160	41.2
200	41.0
250	38.9
315	38.7
400	36.6
500	33.4
630	28.5
800	21.6
1000	17.9
1250	14.5
1600	12.1
2000	9.2
2500	8.1
3150	8.2
4000	8.8
IIC = 73	

Remark: L_n as the weighted normalized impact sound pressure level

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Xiamen Branch Testing Center (Construction Material Laboratory)

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中国·福建·厦门·火炬(翔安)产业区翔虹路31号 邮编:361101 t (86-592) 5765857 f (86-592) 5765380 e sgs.china@sgs.com

TEST REPORT

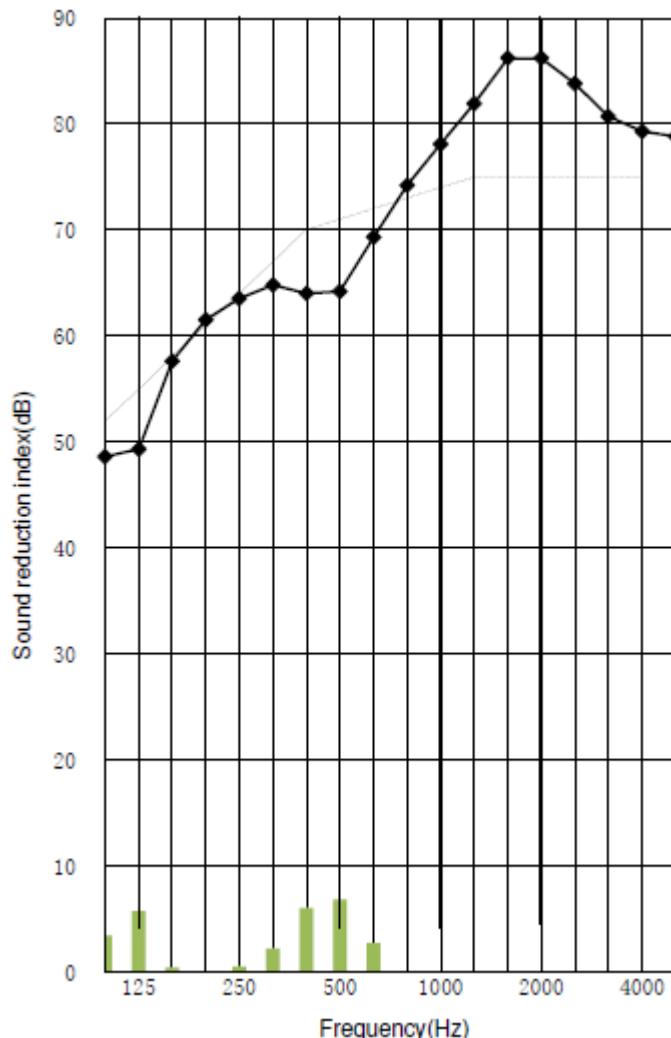
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Frequency spectrum (STC)

<i>f</i> Hz	<i>TL</i> dB
100	48.6
125	49.3
160	57.6
200	61.5
250	63.5
315	64.8
400	64.0
500	64.2
630	69.3
800	74.2
1000	78.1
1250	81.9
1600	86.2
2000	86.2
2500	83.8
3150	80.7
4000	79.3
5000	78.8
STC = 72	



Remark: *TL* is the transmission loss.

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Xiamen Branch Testing Center (Wujiaqiao Construction Material Laboratory)

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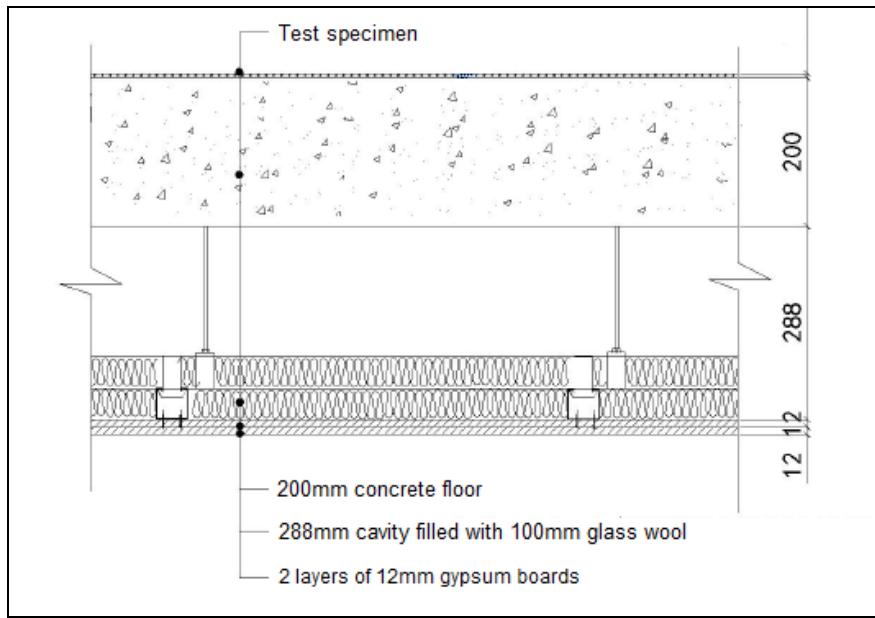
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The constructional drawing of the floor/ceiling assembly system



Remark: The above test project/method was carried out by subcontractors.

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

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