

TEST REPORT

No. : XMIN180300374CCM

Date : Mar.26, 2018

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CUSTOMER NAME: SHENZHEN JIAHE CO.,LTD
ADDRESS: XIANDONG VILLAGE, CHIGANG TOWN, PUNING JIEYANG CITY, 515346
GUANGDONG, CHINA

Sample Name : SPC
Spec. : 1220*180*5.0+1mm IXPE
Manufacturer : GUANGDONG ZHANLONG PLASTIC PRODUCTS CO., LTD
Sample Information : 26/02/2018

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 : Selected test(s) as requested by applicant
Date of Receipt : Mar.01, 2018
Testing Start Date : Mar.01, 2018
Testing End Date : Mar.15, 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 Construction Material Laboratory

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Test Conducted:

Refer to ASTM E492-09(2016)^{ε1} Standard Test Method for Laboratory Measurement of Impact Sound Transmission Through Floor-Ceiling Assemblies Using the Tapping Machine
 ASTM E989-06(2012) Standard Classification for Determination of Impact Insulation Class (IIC)

Test Condition:

Sample Description : SPC (see the photo)
 Total Thickness:6.0mm, surface density: about 9.7kg/m²

Project description : No decoration of sample surface, sample installation was assembled directly.
 The test specimen was covered on a 150mm concrete floor with a drop ceiling, testing area 11.3m², the drop ceiling construction showed in appendix2
 Drop ceiling: 288mm cavity filled with 50mm glass wool, 12mm gypsum board.

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 125m³, receiving room volume 100m³,
 air temperature 17.5°C, air humidity 30.8%

Test Result

Test Item	Test Standard	Result
Determination of Impact Sound Insulation Class	ASTM E492-09(2016) ^{ε1} ASTM E989-06(2012)	IIC = 66

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



SGS-CSTC Shanghai Technical Services Co., Ltd.
 Xiamen Branch Testing Center Commercial Construction Material Laboratory

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TEST REPORT

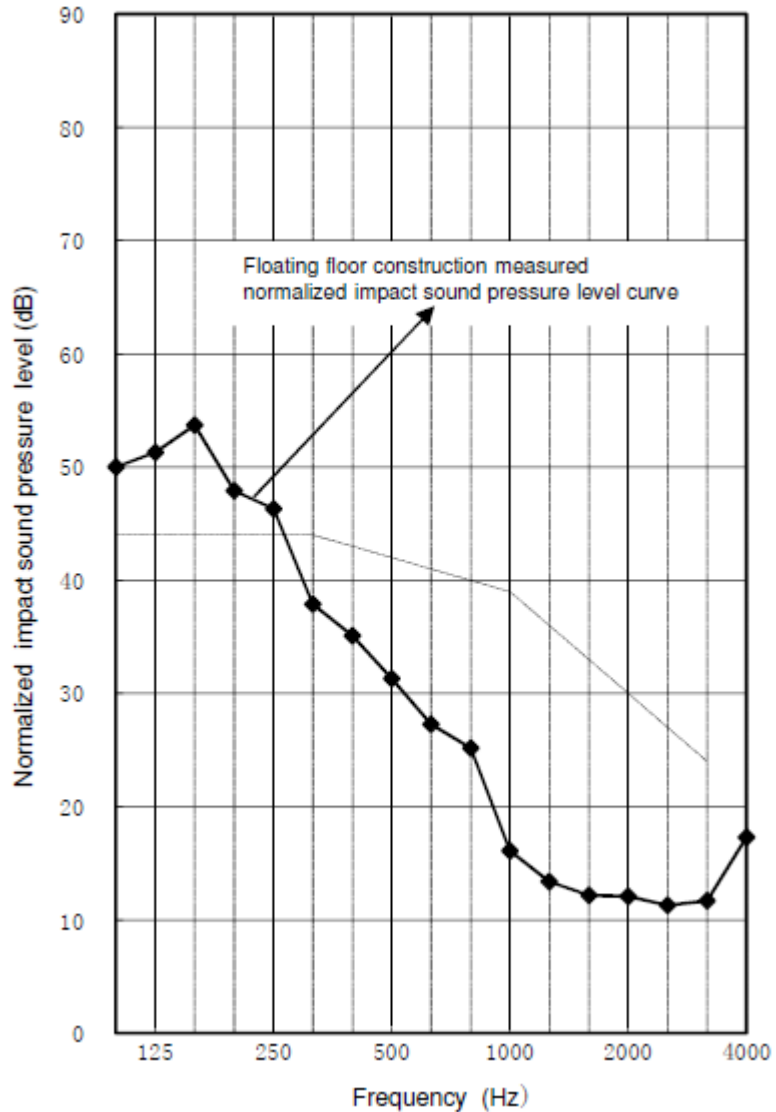
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Appendix 1:

<i>f</i> Hz	<i>L_n</i> dB
100	50.0
125	51.3
160	53.7
200	47.9
250	46.3
315	37.9
400	35.1
500	31.3
630	27.3
800	25.2
1000	16.1
1250	13.4
1600	12.2
2000	12.1
2500	11.3
3150	11.7
4000	17.3
IIC	66



Remark: L_n as the weighted normalized impact sound pressure level

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



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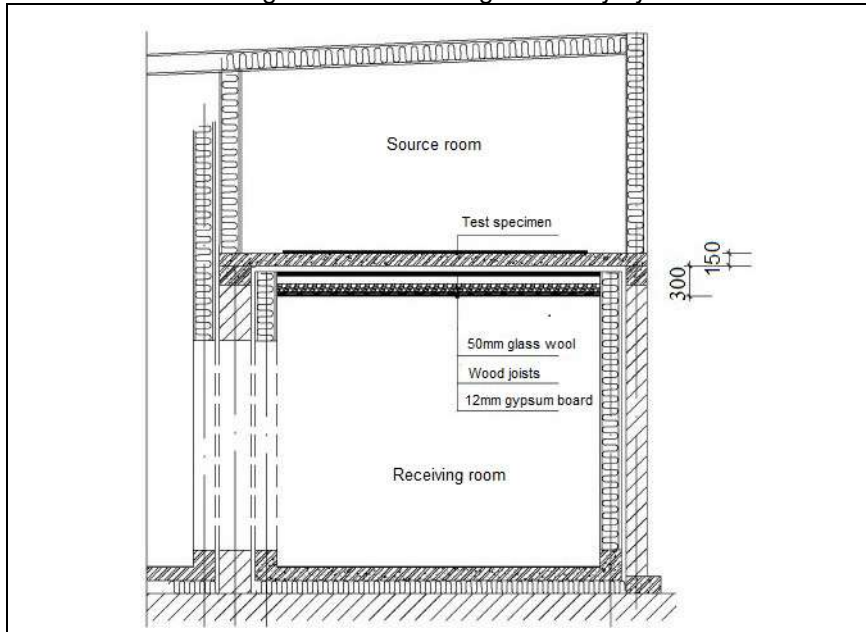
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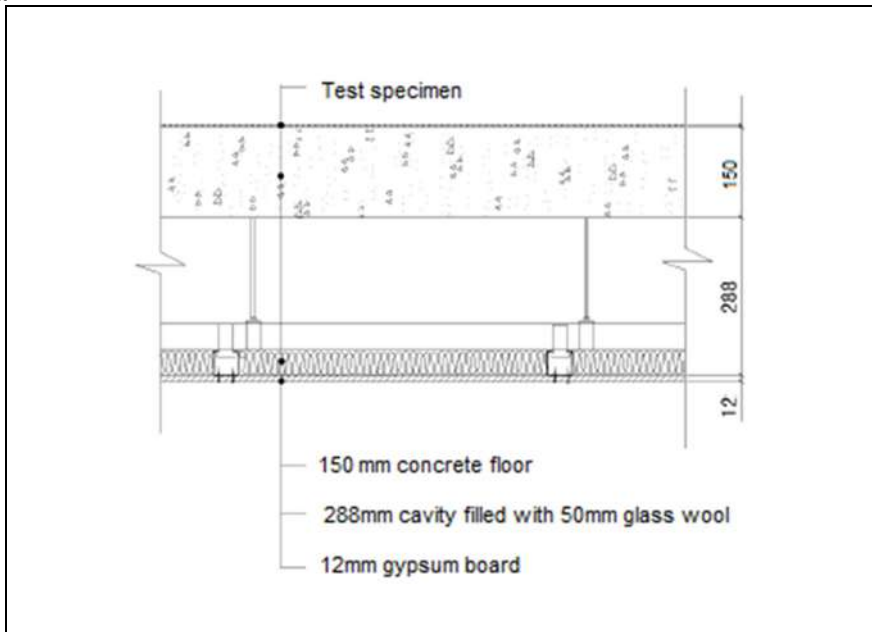
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Appendix 2: The constructional drawing of the floor/ceiling assembly system



Schematic diagram:



Note: 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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