Milliken textile(Zhangjiagang) co., Ltd

TEST REPORT

SCOPE OF WORK
Milliken Flexform

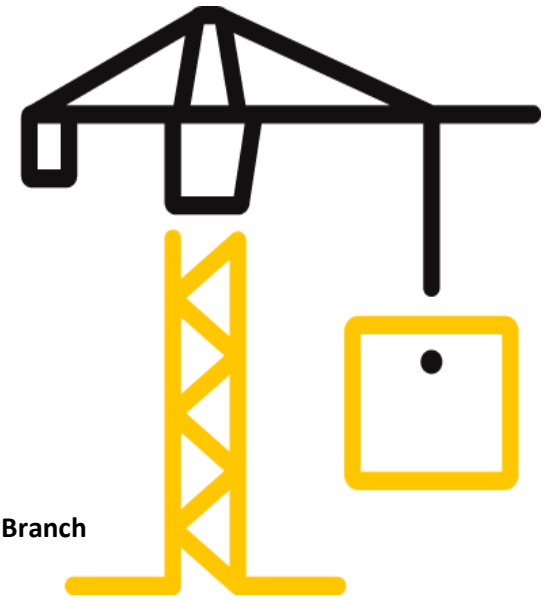
REPORT NUMBER
210429002SHF-004

TEST DATE(S)
2021-04-29 - 2021-05-27

ISSUE DATE
2021-05-27

PAGES
6

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Test Report

Issue Date: 2021-05-27 Intertek Report No. 210429002SHF-004
Applicant: Milliken textile(Zhangjiagang)co., Ltd
Address: 19 North Guotai Rd,Zhangjiagang,Jiangsu Province China 215638
Attn: Ruliang Zhao
Test Type： Performance test, samples provided by the applicant.

Product Information

Product Name	Milliken Flexform	**Brand**	/
Sample Description	Good Condition	**Sample Amount**	54 Pcs
		Received Date	2021-04-30

Sample ID	Model	Specification
S2104290024SHF.036	/	184.15mmX1219.2mm

Test Methods And Standards

Test Standard	ISO 10140-3:2010/Amd.1:2015(E)
Specification Standard	ISO 717-2:2013
Test Conclusion	The samples were tested according to the above standards, and the results are shown in the following page.

Note:
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Report Authorized

Name: Sally Xie Name: Aaron Cai
Title: Reviewer Title: Project Engineer

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Test Report

Issue Date: 2021/5/27 Intertek Report No. 210429002SHF-004

Test Items, Method and Results:

Test Item: Laboratory measurements of impact sound insulation

Test method: ISO 10140-3:2010/Amd.1:2015(E)

Temperature: 22 °C Relative Humidity: 70 %

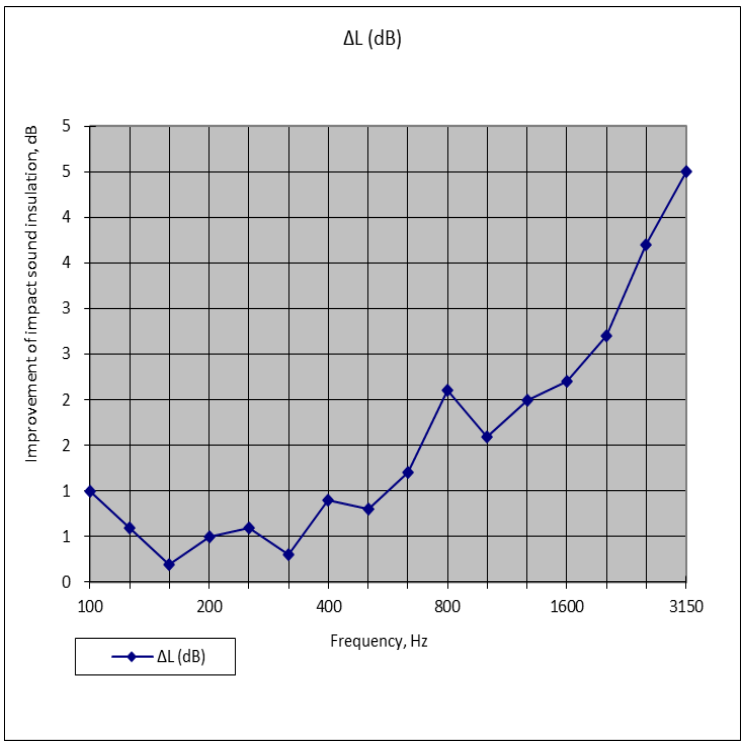
Volume of Source Room: 77 m^3 Volume of Receiving Room: 112 m^3

Specimen area: 12.8 m^2

Floor Assemblies: The system consisted of 150mm thick concrete floor and the 5mm Milliken Flexform were placed on the concrete floor.

Mounting of the specimen: Floating installation with click joints

Frequency (Hz)	Ln,0 (dB)	ΔL (dB)
100	59.1	1.0
125	66.0	0.6
160	62.9	0.2
200	63.0	0.5
250	64.7	0.6
315	65.1	0.3
400	65.3	0.9
500	65.9	0.8
630	66.5	1.2
800	66.0	2.1
1000	65.4	1.6
1250	65.4	2.0
1600	64.5	2.2
2000	64.1	2.7
2500	62.9	3.7
3150	62.1	4.5



Rating according to ISO 717-2:2013 in one-third octave bands, the ΔLw was shown below.

Weighted improvement of impact sound insulation	ΔLw=	3	dB
Spectrum adaptation	$C_{I\Delta}$=	-1	dB

Note:

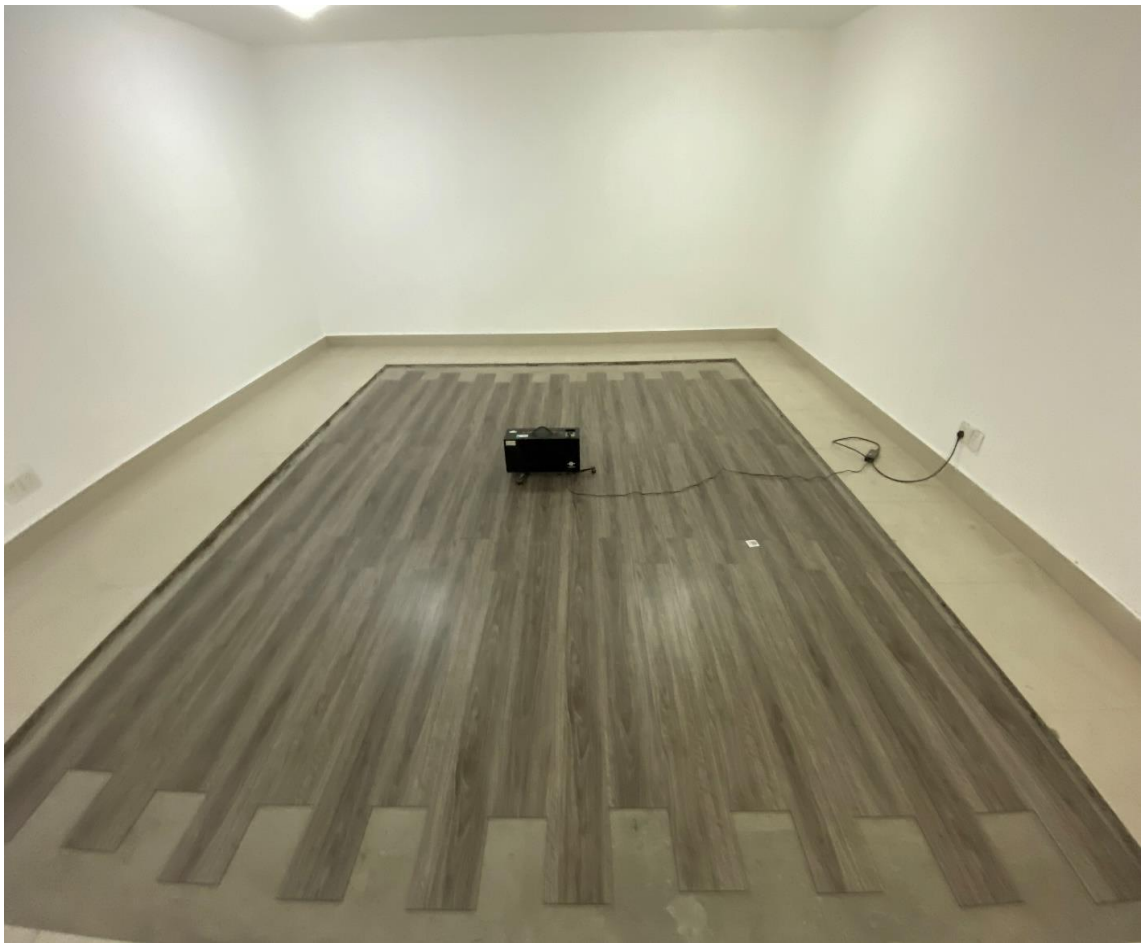
1. Evaluation based on laboratory measurement results obtained by an engineering method.

2. Ln,0 = Normalized Sound Pressure Level for bare floor under test
   ΔL = Reduction of impact sound pressure level of floor covering

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Test Photo:



Test Set Up

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Appendix A: Sample Received Photo



Revision:

NO.	Date	Changes
210429002SHF-004	2021-05-06	First issue