TEST REPORT

No. : CZIN2102000017CM
Date : Mar 05, 2021

CUSTOMER NAME: MILLIKEN TEXTILE (ZHANGJIAGANG) CO., LTD.
ADDRESS: NO.19, GUOTAI NORTH ROAD, YANGSHE TOWN, ZHANGJIAGANG, JIANGSU PROVINCE, CHINA

Sample Name : MILLIKEN FLEXFORM SOUND

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.

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Test Required	:	Impact Sound Improvement
SGS Ref. No.	:	SHIN2102010464CM; SHHL2102006757HI
Ref. Standard	:	ISO 10140-3:2010/Amd.1:2015
Date of Receipt	:	Feb 23, 2021
Testing Start Date	:	Feb 23, 2021
Testing End Date	:	Mar 05, 2021
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

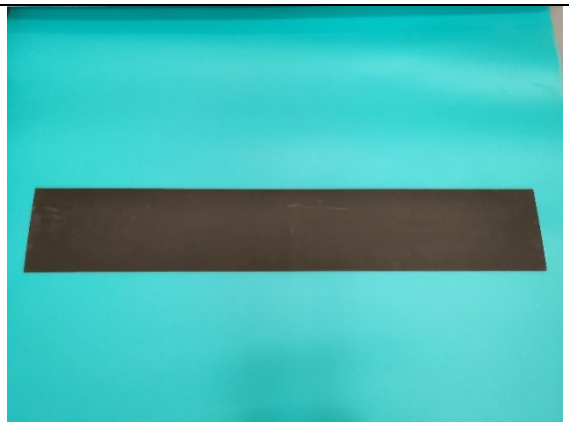
TEST REPORT

Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Impact Sound Improvement	ISO 10140-3:2010/Amd.1:2015	See result	/

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

Original sample photo(s):

	
Front view	Back view

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Test item: Impact Sound Improvement

I. Test method

ISO 10140-3:2010/Amd.1:2015 Acoustics - Laboratory measurement of sound insulation of building elements - Part 3: Measurement of impact sound insulation

II. Sample Details

Dimensions	1500mm×250mm×5mm
Surface density	About 7.36kg/m^2

III. Test condition

Ambient temperature	16.5℃	Relative humidity	71.2%RH
The source room Volume	70m^3	The receiving room Volume	85m^3
Description of test arrangement	Test area: 10m^2 The test sample was laid on the 140mm thick prefabricated floor.		

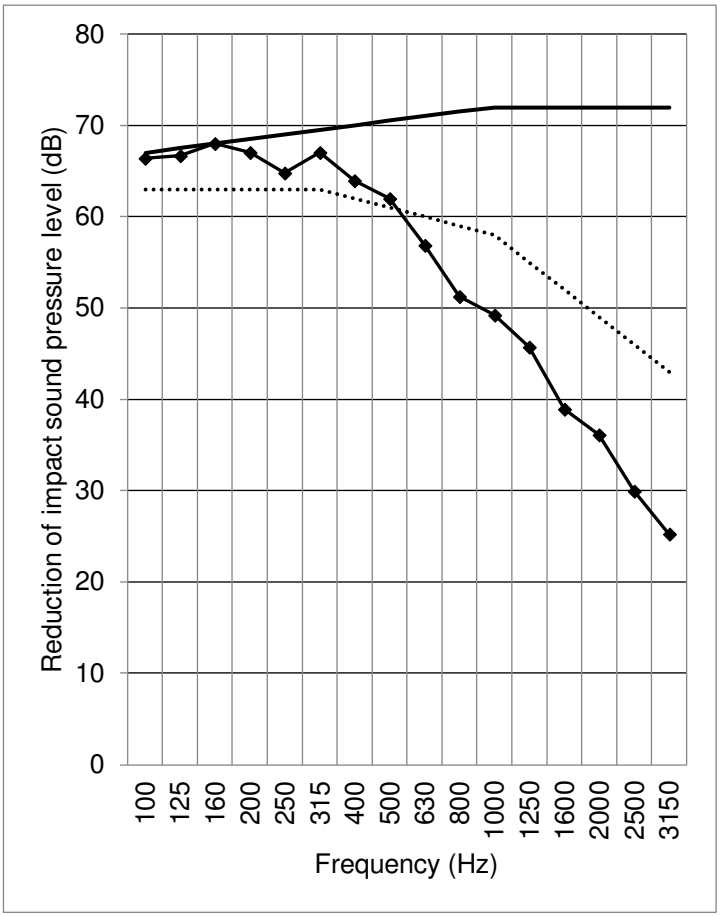
检验检测专用章 Inspection & Testing Services

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IV. Test result

f Hz	$L_{n,r,o,w}$ dB	$L_{n,r,w}$ dB	△L dB
100	67.0	66.4	0.6
125	67.5	66.7	0.8
160	68.0	68.0	0.0
200	68.5	67.1	1.4
250	69.0	64.8	4.2
315	69.5	67.0	2.5
400	70.0	63.9	6.1
500	70.5	61.9	8.6
630	71.0	56.8	14.2
800	71.5	51.3	20.2
1000	72.0	49.2	22.8
1250	72.0	45.7	26.3
1600	72.0	38.9	33.1
2000	72.0	36.1	35.9
2500	72.0	30.0	42.0
3150	72.0	25.2	46.8
4000	72.0	/	/
5000	72.0	/	/



Normalized impact sound pressure level curve of the reference floor

Actual normalized impact sound pressure level curve of structural floor

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V. Weighted reduction in impact sound pressure level

Rating according to ISO 717-2:2013:

$L_{n,w}$ = 61dB, $\triangle L_w$ = 17dB, $C_{I,r}$ = -1dB, $C_{I,\triangle}$ = -10dB

Note: $L_{n,r,w}$ is the weighted normalized impact sound pressure level, $\triangle L_w$ 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 $L_{n,w}$, $C_{I,\triangle}$ is the spectrum adaptation term for $\triangle L_w$. In the case of the actual sound source impact, the corresponding spectrum correction should be added.

Note: The declaration of conformity is only based on the actual value of laboratory activity, measurement uncertainty of the results not take into account.

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

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