

L'ISOLANTE K-FLEX (SUZHOU) CO., LTD

TEST REPORT

REPORT NUMBER

181218011SHF-BP-3

ISSUE DATE

2019/1/14

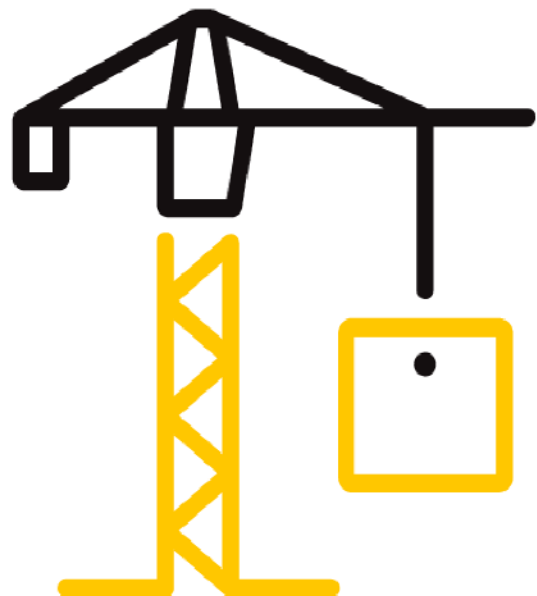
PAGES

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DOCUMENT CONTROL NUMBER

LFT-APAC-SHF-OP-10g

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Test Report

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Applicant: L'ISOLANTE K-FLEX (SUZHOU) CO., LTD

Applicant Address: 2728 North Linhu Avenue, FOHO Hi-Tech Industrial Development Zone, Wujiang District, Suzhou City, Jiangsu Province, P. R. China

Attn: Zhixian Zhou

SUBJECT: Performance testing
Product Name: Sound Absorption Material
Product Quantity: 10.8 m²

Dear Sir,

This test report represents the results of our evaluation of the above referenced product(s) to the requirements contained in the following standards:

TEST METHODS AND STANDARDS
ISO 354: 2003

SAMPLE ID	MODEL	SPECIFICATION
S181218011SHF.003	K-FONIK OC	Density: 240kg/m ³ Thickness: 10mm

SAMPLE RECEIVED: 2018/12/14
TESTED FROM: 2018/12/18 TO 2019/1/14

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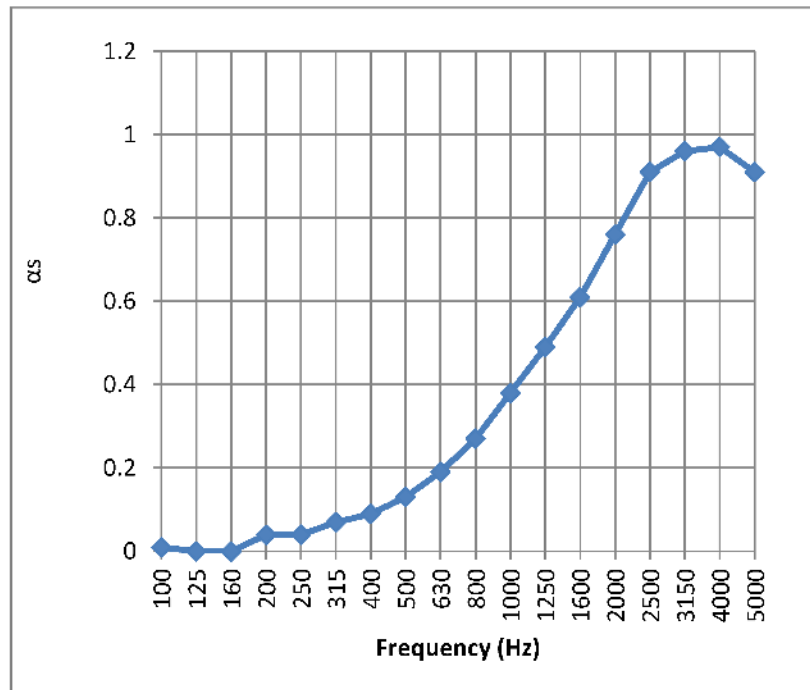
Test Items, Method and Results:

Test Method: ISO 354: 2003 Sound Absorption Coefficients

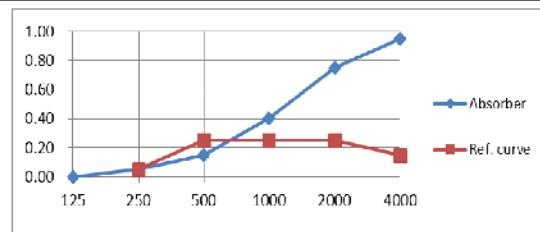
Volume of the reverberation room	Vs, m ³	240	Installation Type:	Tiled
Room temperature	t1, °C	11	t2, °C	11
Relative humidity of test rooms	H1,%	80	H2,%	80

Sample size (width*length),mm	1000*1000	thickness, mm	10.0
Edge treatment	/	Mass, kg/m ²	2.65
Test Area, m ²	10.8		

Frequency (Hz)	α_s
100	0.01
125	0.00
160	0.00
200	0.04
250	0.04
315	0.07
400	0.09
500	0.13
630	0.19
800	0.27
1000	0.38
1250	0.49
1600	0.61
2000	0.76
2500	0.91
3150	0.96
4000	0.97
5000	0.91



Rating according to ISO 11654: 1997 Weighted sound absorption coefficient, $\alpha_w=0.25(H)$ Sound absorption class: Class E	F (Hz)	α_p
	250	0.05
	500	0.15
	1000	0.40
	2000	0.75
	4000	0.95



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Test Photo:



Test set up

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APPENDIX: SAMPLE RECEIVED PHOTO



REPORT AUTHORIZED

When signed with physical or electronic signature, the contents of this report have been prepared and approved per Intertek's quality process in accordance with ISO 17025.

Jodie Zhou  *Nicole Shi*

Name: Jodie Zhou Name: Nicole Shi
Title: Reviewer Title: Project Engineer

Revision:

NO.	DATE	CHANGES	AUTHOR	REVIEWER
181218011SHF-BP-3	2019/1/14	First issue	Nicole Shi	Jodie Zhou