

K-FLEX MALAYSIA SDN BHD

TEST REPORT

SCOPE OF WORK

CROSS LINKED CLOSED CELL POLYOLEFIN FOAM INSULATION

REPORT NUMBER

190603001SHF-001

TEST DATE(S)

2019-05-13 - 2019-05-21

ISSUE DATE

2019-06-05

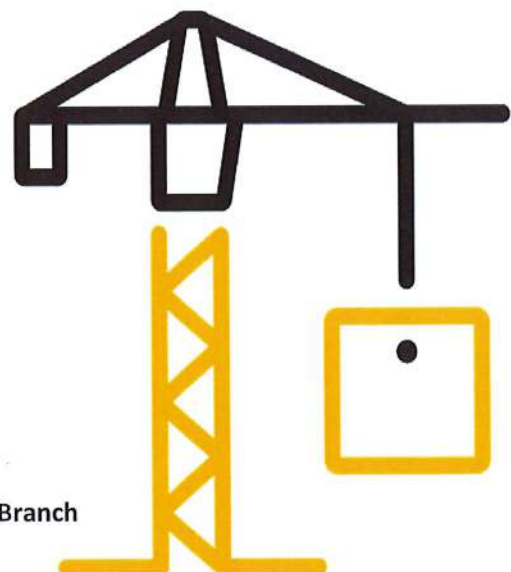
PAGES

6

DOCUMENT CONTROL NUMBER

LFT-APAC-SHF-OP-10k(May 1, 2019)

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Test Report

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Test Report

Issue Date: 2019-06-05 Intertek Report No. 190603001SHF-001
Applicant: K-FLEX MALAYSIA SDN BHD
Address: Lot 2752 JALAN RAJA NONG , TAMAN KLANG JAYA, 41200 KLANG, SELANGOR D.E., MALAYSIA.
Attn: Hank Zhou
Test Type : Performance test, samples provided by the applicant.

Product Information

Product Name	CROSS LINKED CLOSED CELL POLYOLEFIN FOAM INSULATION	Brand	/
Sample Description	Good Condition	Sample Amount	16 PCS
		Received Date	09-May-2019
Sample ID	Model	Specification	
S190513006SHF.001	K-FLEX K-PROTECT	25 mm TK	

Test Methods And Standards

Test Standard	ASTM C423-17
Specification Standard	ASTM C423-17
Test Conclusion	The samples were tested according to the above standards, and the results are shown in the following page.

Note:

- 1.This report relates specifically to the sample(s) that were drawn and provided by the applicant or their nominated third party. The reported result(s) provide no warranty or verification on the sample(s) representing any specific goods and/or shipment and only relate to the sample(s) as received and tested.
2. The test raw data completely refer to report number 190513006SHF-001, only the calculation method and classification were replaced by ASTM C423-17.

Report Authorized



Jodie Zhou *Mason Wang*
 Name: Jodie Zhou Name: Mason Wang
 Title: Reviewer Title: Project Engineer

Test Report

Issue Date: 2019-06-05

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Test Items, Method and Results:

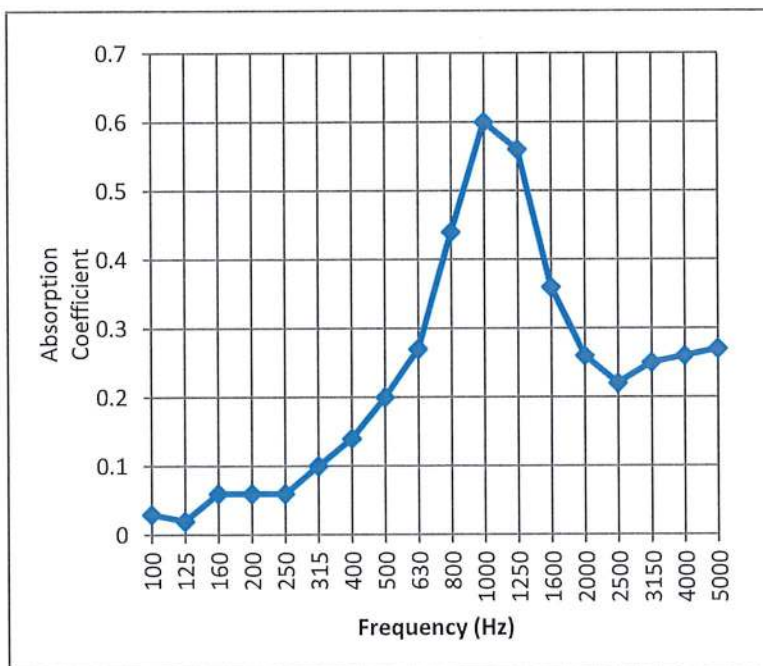
Test Method: ASTM C423-17 Sound Absorption Coefficients

Volume of the reverberation room	Vs, m ³	240	Installation Type:	Type A
Room temperature	t1, °C	21	t2, °C	21
Relative humidity of test rooms	H1,%	85	H2,%	85

Sample description:

Sample size (width*length),mm	1000*1000	Thickness, mm	25.0
Edge treatment	/	Mass, kg/m ²	1.593
Test Area, m ²	10.8		

Frequency (Hz)	Absorption Coefficient
100	0.03
125	0.02
160	0.06
200	0.06
250	0.06
315	0.10
400	0.14
500	0.20
630	0.27
800	0.44
1000	0.60
1250	0.56
1600	0.36
2000	0.26
2500	0.22
3150	0.25
4000	0.26
5000	0.27



Rating according to ASTM C423-17

Noise reduction coefficient: NRC = 0.30; Sound absorption average: SAA = 0.27

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Test Photo:



Test Setup

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Appendix A: Sample Received Photo



Revision:

NO.	Date	Changes	Author	Reviewer
190603001SHF-001	2019-06-05	First issue	Mason Wang	Jodie Zhou