

KINGKUS NEW MATERIAL CO., LTD.

TEST REPORT

SCOPE OF WORK

Polyester fiber acoustic panel

REPORT NUMBER

200628013SHF-001

TEST DATE(S)

2020-06-28 - 2020-07-06

ISSUE DATE

2020-07-08

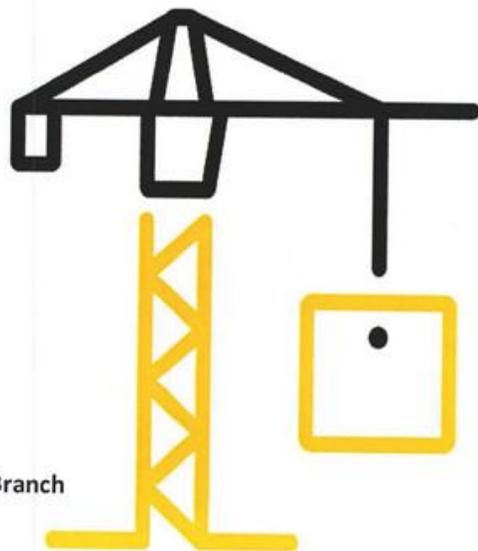
PAGES

6

DOCUMENT CONTROL NUMBER

LFT-APAC-SHF-OP-10k(May 1, 2020)

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Test Report

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Test Report

Issue Date: 2020-07-08 Intertek Report No. 200628013SHF-001
 Applicant: KINGKUS NEW MATERIAL CO., LTD.
 Address: ZHITANG TOWN CHANGSHU CITY JIANGSU PROVINCE CHINA
 Attn: Vicente
 Manufacturer: KINGKUS NEW MATERIAL CO., LTD.
 Address: ZHITANG TOWN CHANGSHU CITY JIANGSU PROVINCE CHINA
 Test Type: Performance test, samples provided by the applicant.

Product Information

| | | | |
|--------------------|--------------------------------|---------------|------------|
| Product Name | Polyester fiber acoustic panel | Brand | Kingkus |
| Sample Description | Good Condition | Sample Amount | 12pcs |
| | | Received Date | 2020-06-28 |
| Sample ID | Model | Specification | |
| S200628013SHF.001 | Kuspanel-9mm | 2440*1220*9mm | |

Test Methods And Standards

| | |
|------------------------|--|
| Test Standard | ISO 354: 2003 |
| Specification Standard | ISO 11654: 1997 |
| 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.

Report Authorized



 Name: Mason Wang Name: Jackie Zhou
 Title: Reviewer Title: Project Engineer

Test Report

Issue Date: 2020-07-08

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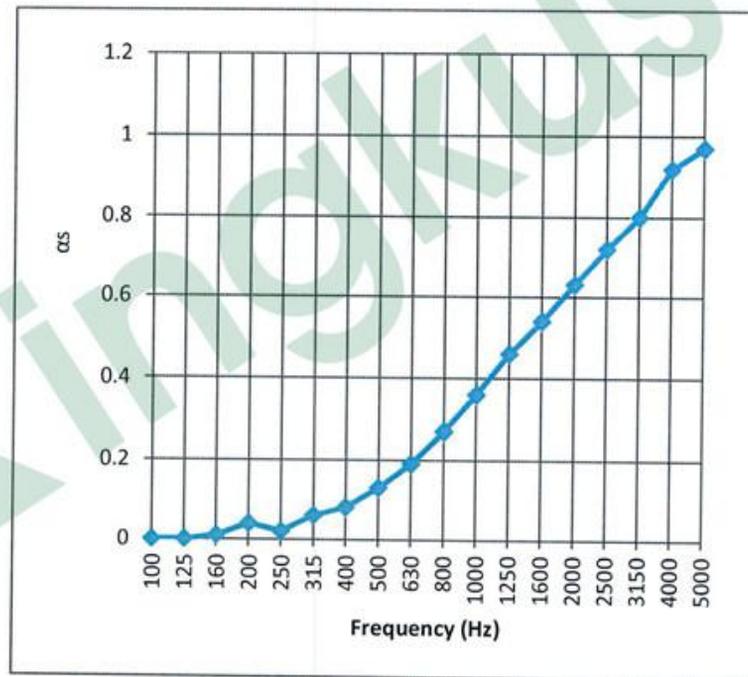
Test Items, Method and Results:

Test Method: ISO 354: 2003 Sound Absorption Coefficients

| | | | | |
|----------------------------------|--------------------|-----|--------------------|--------|
| Volume of the reverberation room | Vs, m ³ | 240 | Installation Type: | Type-A |
| Room temperature | t1, °C | 23 | t2, °C | 23 |
| Relative humidity of test rooms | H1, % | 75 | H2, % | 75 |

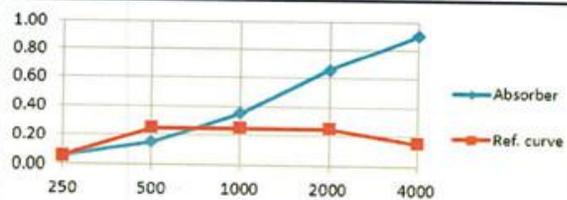
| | | | |
|-------------------------------|-----------|-------------------------|-----|
| Sample size (width*length),mm | 2440*1220 | thickness, mm | 9.0 |
| Edge treatment | / | Mass, kg/m ³ | 218 |
| Test Area, m ² | 10.8 | | |

| Frequency (Hz) | α_s |
|----------------|------------|
| 100 | 0.00 |
| 125 | 0.00 |
| 160 | 0.01 |
| 200 | 0.04 |
| 250 | 0.02 |
| 315 | 0.06 |
| 400 | 0.08 |
| 500 | 0.13 |
| 630 | 0.19 |
| 800 | 0.27 |
| 1000 | 0.36 |
| 1250 | 0.46 |
| 1600 | 0.54 |
| 2000 | 0.63 |
| 2500 | 0.72 |
| 3150 | 0.80 |
| 4000 | 0.92 |
| 5000 | 0.97 |



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 | 0.35 |
| 2000 | 0.65 |
| 4000 | 0.90 |



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Test Photo:



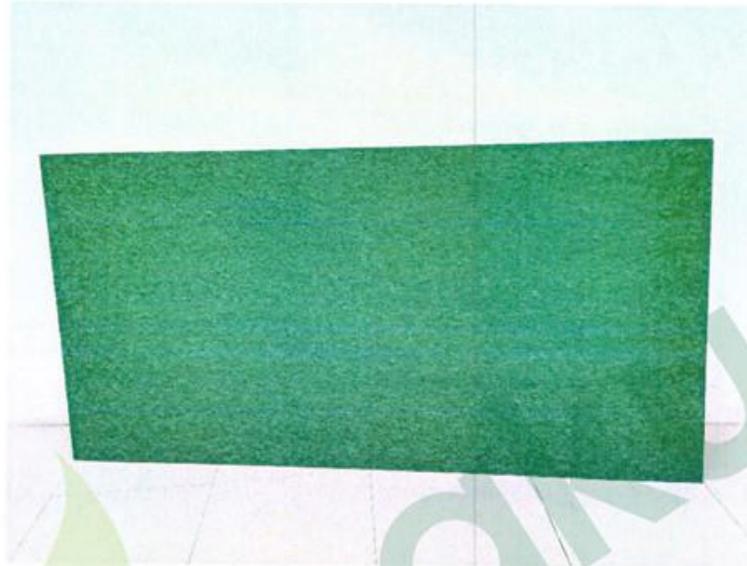
Test set up

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Appendix A: Sample Received Photo



Revision:

| NO. | Date | Changes | Author | Reviewer |
|------------------|------------|-------------|-------------|------------|
| 200628013SHF-001 | 2020-07-08 | First issue | Jackie Zhou | Mason Wang |