

SUPERTEC CEILINGS AND BOARD PTY LTD

TEST REPORT

SCOPE OF WORK

Fiberglass Acoustic Panel

REPORT NUMBER

220223003SHF-001

TEST DATE(S)

2022-02-23 - 2022-03-03

ISSUE DATE

2022-03-03

PAGES

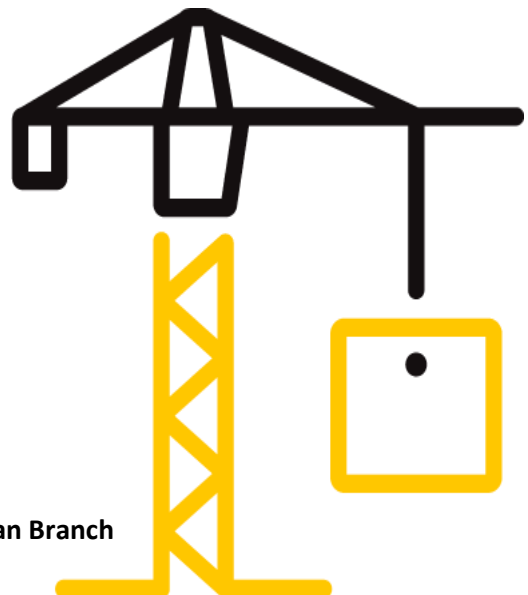
6

DOCUMENT CONTROL NUMBER

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Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch



Test Report

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Test Report

Issue Date: 2022-03-03 Intertek Report No. 220223003SHF-001
 Applicant: SUPERTEC CEILINGS AND BOARD PTY LTD
 Address: 20 WEYERS STREET ALRODE SOUTH ALBERTON
 Attn: Moses Mooney
 Manufacturer: SUZHOU EVER-HAILING NEW MATERIALS CO.,LTD
 Address: Cross Border of Gangcheng Road, Yangshe Town, Zhangjiagang City, Jiangsu Province
 Test Type: Performance test, samples provided by the applicant.

Product Information

| | | | |
|---------------------------|---------------------------|-------------------------|------------|
| Product Name | Fiberglass Acoustic Panel | Brand | / |
| Sample Description | Good Condition | Sample Amount | 6 boxes |
| | | Received Date | 2022-02-18 |
| Sample ID | Model | Specification | |
| S220223003SHF.001 | HL-1 | 15sqm of 40mm thickness | |

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: Ozzy Cheng
 Title: Reviewer


 Name: Lu Cheng
 Title: Project Engineer



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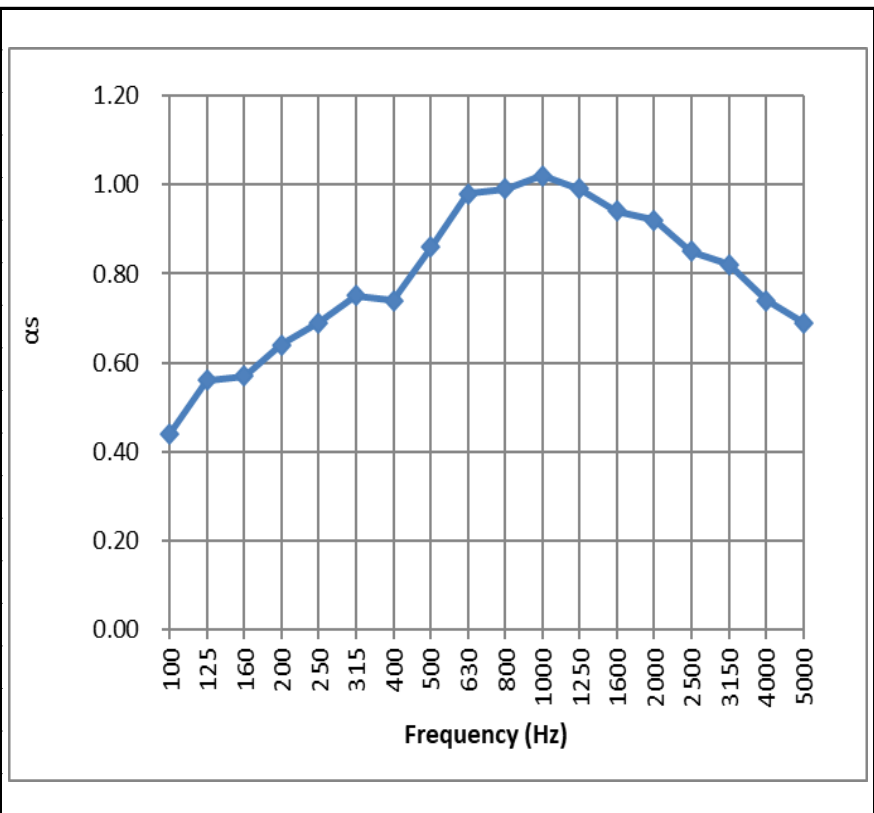
Test Items, Method and Results:

Test Method: ISO 354:2003 Sound Absorption Coefficients

| | | | | |
|----------------------------------|--------------------|-----|--------------------|-----------|
| Volume of the reverberation room | Vs, m ³ | 240 | Installation Type: | Type E400 |
| Room temperature | t1, °C | 15 | t2, °C | 15 |
| Relative humidity of test rooms | H1,% | 70 | H2,% | 70 |

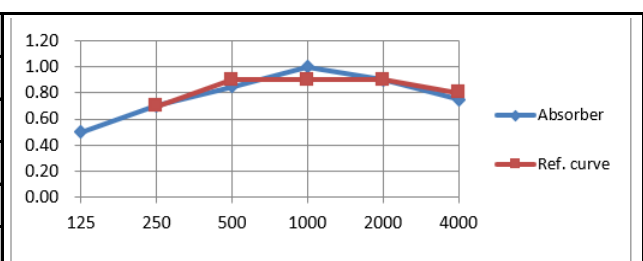
| | | | |
|-------------------------------|---------|-------------------------|------|
| Sample size (width*length),mm | 580*580 | Thickness, mm | 40.0 |
| Edge treatment | / | Mass, kg/m ² | 3.86 |
| Test Area, m ² | 10.8 | | |

| Frequency (Hz) | α_s |
|----------------|------------|
| 100 | 0.44 |
| 125 | 0.56 |
| 160 | 0.57 |
| 200 | 0.64 |
| 250 | 0.69 |
| 315 | 0.75 |
| 400 | 0.74 |
| 500 | 0.86 |
| 630 | 0.98 |
| 800 | 0.99 |
| 1000 | 1.02 |
| 1250 | 0.99 |
| 1600 | 0.94 |
| 2000 | 0.92 |
| 2500 | 0.85 |
| 3150 | 0.82 |
| 4000 | 0.74 |
| 5000 | 0.69 |



Rating according to ISO 11654: 1997
 Weighted sound absorption coefficient, $\alpha_w = 0.90$ (MH)
 Sound absorption class:
 Class A

| F (Hz) | α_p |
|--------|------------|
| 250 | 0.70 |
| 500 | 0.85 |
| 1000 | 1.00 |
| 2000 | 0.90 |
| 4000 | 0.75 |



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Test Photos:



Test set up



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Appendix A: Sample Received Photo



Revision:

| NO. | Date | Changes |
|------------------|------------|-------------|
| 220223003SHF-001 | 2022-03-03 | First issue |

