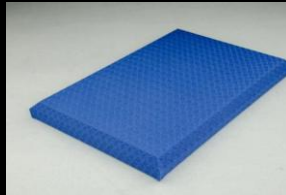


AURALIS
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Right angle



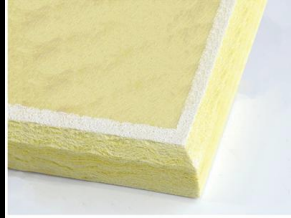
Small beveled edge (Standard)



Big beveled edge



Aluminum Frame (inside fiberglass wool is yellow color now)



Eco Solidify Frame

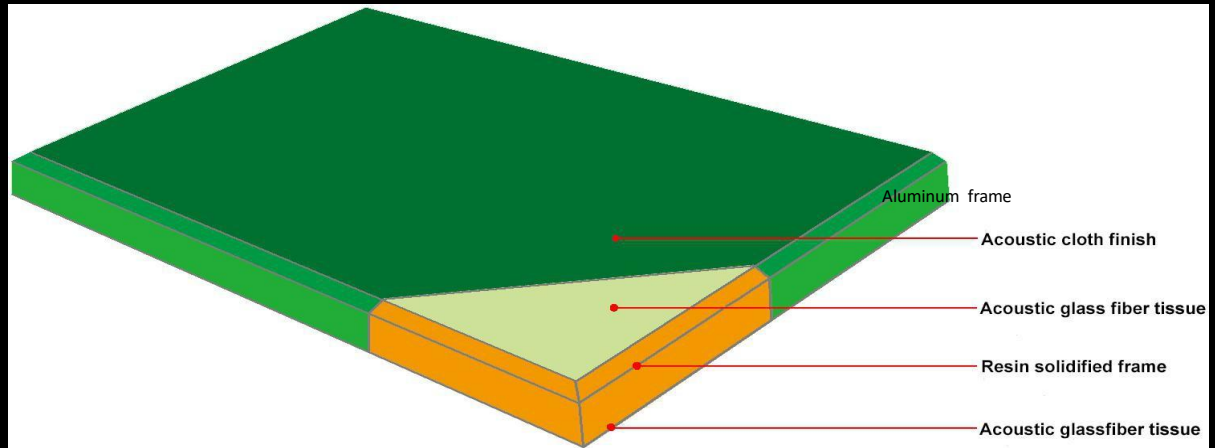
1. The fabric acoustic panel has various finish color to choose, and it is also available for customer to provide the finish.
2. It has good decoration, easy to install and no dustproof etc. various advantages
3. Basic material: 96kg/m³ high density fiberglass wool
4. Frame: Eco frame aluminum frame
5. Finished: Fabric Series and Leather Series

Name	Fabric Acoustic Panel
Structure	Base materials , finish, frame
Base Materials	96 kg/m ³ high density fiberglass board (120 kg/m ³ high density rock wool) or other inquiry
Finish	Fabric ,leather,painting
Border	Eco solidification frame , aluminum frame ,soft frame
Edge	Square ,small angle,bevel angle
Specifications	600*600,600*1200,1200*1200,1200*2400
Fire-resistant	SGS BS 476 part : 7 1997 Class 1

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Basic Materials



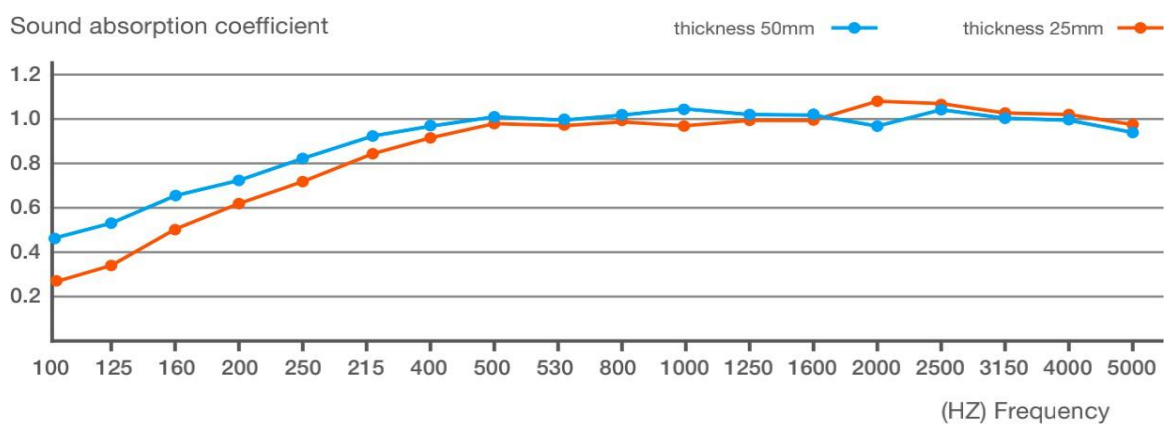
1. The fabric acoustic panel is made from fire retardant special acoustic cotton inside with eco-solidification frame, aluminum frame around and wrapped with fire retardant fabric, leather or real leather outside.
2. The fire retardant grade can reach SGS BS 476 part: 7 1997 class 1 requirement
3. Our acoustic fabric panel is made from high quality fiberglass wool or Owens Corning fiber glass acoustic cotton, it has environmental protection, fire retardant, wide range sound frequency absorption etc. various features.
4. The various colors and finish choices can satisfy all the customer's acoustic and decoration requirements.
5. For the need of our customer, we have almost all the necessary documents for export and import, such as fire retardant report, environmental report, sound absorbing report and SGS testing report etc.

Acoustic performance

TEST CONDITION

G. 25mm, 50mm thickness fabric acoustic panel

H. 100mm space



Fabric sound-absorbing board Thickness 25mm

Frequency	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
Sound absorption coefficient	0.30	0.38	0.49	0.62	0.73	0.86	0.94	1.03	1.04	1.06	1.08	1.05	1.07	1.12	1.06	1.02	1.00	0.97

Fabric sound-absorbing board Thickness 50mm

Frequency	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
Sound absorption coefficient	0.42	0.55	0.63	0.72	0.82	0.88	0.96	1.03	1.04	1.03	1.08	1.07	1.06	1.00	1.02	1.00	0.96	0.96

Test report

SGS

Test Report

No. A/JD202005421 Date: AUG.28, 2020 Page 1 of 6

FOSHAN SOUND AND ACOUSTICS TECHNOLOGY COMPANY LIMITED

Ground Floor No.2 Building, Area 52, Hantian Industrial

Park, Shenzhen Road, Nanhai District, Foshan City, China

The following sample(s) was / were submitted and identified on behalf of the client as:

Sample Description: FABRIC ACOUSTIC PANELS

Density: 95kg/m³

Composition: FIBER GLASS AND FABRIC

Manufacturer: FOSHAN SOUND AND ACOUSTICS TECHNOLOGY COMPANY LIMITED

End use application: SOUND ABSORPTION AND DECORATION

Country of Origin: CHINA

Test Requested:

To determine the flame spread index (FSI) and smoke-developed index (SDI) of the sample's surface burning characteristics when it is subjected to the conditions of specified in ASTM E84-12a "Standard Test Method for Surface Burning Characteristics of Building Materials".

Test Results: -- See attached sheet --

Test Period:

Sample Receiving Date: AUG.12, 2020

Test Performing Date: AUG.12, 2020 TO AUG.27, 2020

Signed for and on behalf of

SGS-CSTC Co., Ltd.

Alan Zou

Alan Zou
Technical Supervisor



SGS

Test Report

No. A/JD201305421 Date: AUG.28, 2020 Page 3 of 6

V. SAMPLE DETAILS

Name	ACOUSTIC PANELS
Color / Density	White / 5.2kg/m ³

Exposed face:

The front face

MOUNTING METHODS:

The specimen was self-supporting and was placed directly on the inner ledges of the tunnel.

The specimen consisted of 6 pieces of 600mm wide x 1200mm long x 50mm thickness and all sections jointed end-to-end.

TEST RESULTS

FSI	SDI
0	20

RATING:

The National Fire Protection Association Life Safety Code 101, Chapter 10, Section 10.2.3 "Interior Wall and Ceiling Finish Classification", has a means of classifying materials with respect to Flame Spread and Smoke Developed when tested in accordance with NFPA 255, ASTM E84, UL 723 "Method of Test of Surface Burning Characteristics of Building Materials".

International Building Code, Chapter 8, Interior Finishes, Section 803 "Wall and Ceiling Finishes", was classified in accordance with ASTM E 84 or UL 723. Such interior finish materials shall be grouped in the following classes in accordance with their flame spread and smoke-developed indexes.

To be continued....

Subtropical Architecture Institute, South China University of Technology

No.: 170712-2

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IV. Test Results:

17

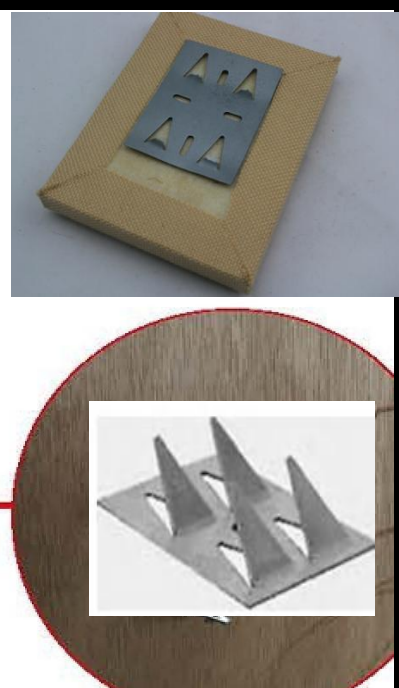
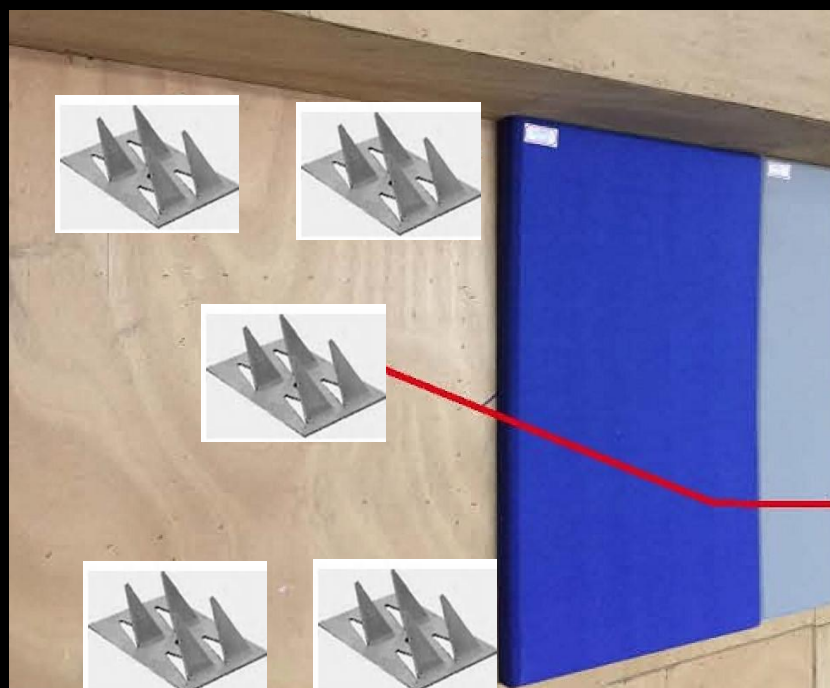
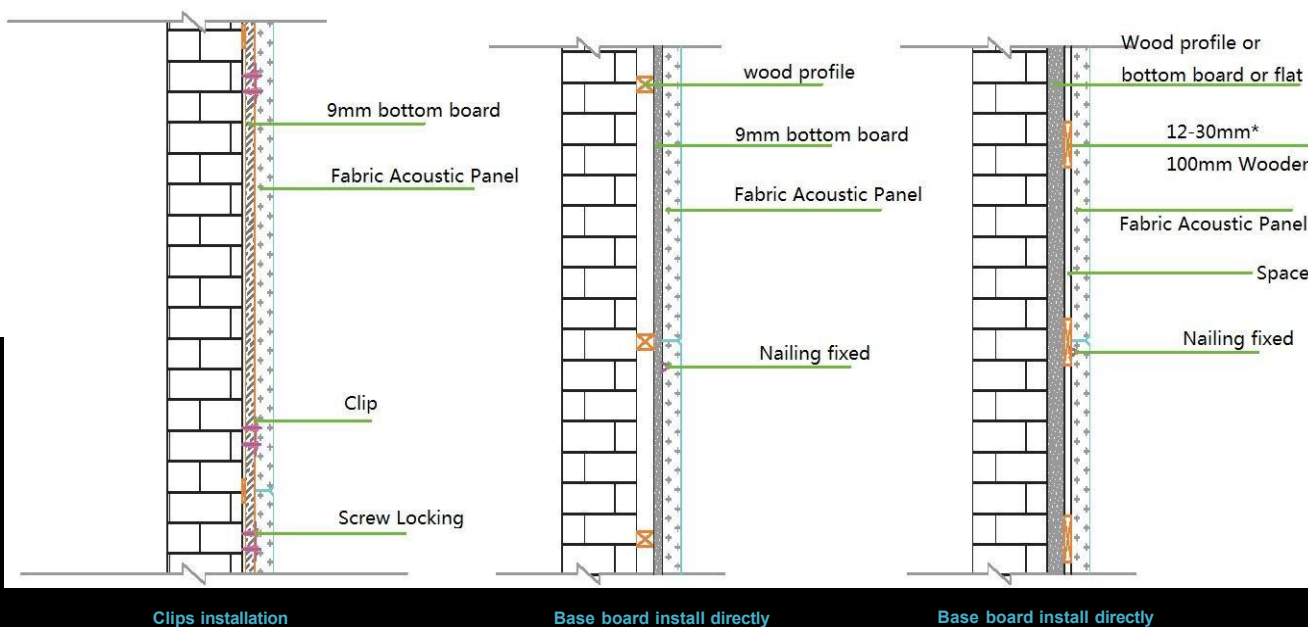
Specifications

Test Specimen mounting type: Fabric Acoustic Panels (thickness: 50mm, fiberglass volume weight: 80Kg/m³) are mounted with an airspace (E-50) behind it, which are placed in the middle of the floor of the reverberation room and wrapped with 1mm steel panel.

Frequency (Hz)	α_s	And the Sound Absorption Coefficients of the tested specimen are plotted as follows																																						
100	0.22	The graph plots the sound absorption coefficient α_s against frequency f in Hz. The data points are connected by a line, showing a peak around 2000 Hz and a slight dip around 2500 Hz. The overall trend is increasing with frequency. <table border="1"> <caption>Data points for the Sound Absorption Coefficients graph</caption> <thead> <tr> <th>f (Hz)</th> <th>α_s</th> </tr> </thead> <tbody> <tr><td>100</td><td>0.22</td></tr> <tr><td>125</td><td>0.21</td></tr> <tr><td>160</td><td>0.19</td></tr> <tr><td>200</td><td>0.28</td></tr> <tr><td>250</td><td>0.51</td></tr> <tr><td>315</td><td>0.37</td></tr> <tr><td>400</td><td>0.51</td></tr> <tr><td>500</td><td>0.85</td></tr> <tr><td>630</td><td>0.73</td></tr> <tr><td>800</td><td>0.87</td></tr> <tr><td>1000</td><td>0.98</td></tr> <tr><td>1250</td><td>0.90</td></tr> <tr><td>1600</td><td>0.93</td></tr> <tr><td>2000</td><td>1.10</td></tr> <tr><td>2500</td><td>0.84</td></tr> <tr><td>3150</td><td>0.82</td></tr> <tr><td>4000</td><td>0.87</td></tr> <tr><td>5000</td><td>0.78</td></tr> </tbody> </table>	f (Hz)	α_s	100	0.22	125	0.21	160	0.19	200	0.28	250	0.51	315	0.37	400	0.51	500	0.85	630	0.73	800	0.87	1000	0.98	1250	0.90	1600	0.93	2000	1.10	2500	0.84	3150	0.82	4000	0.87	5000	0.78
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Installation



Application Cases

Stadium, Auditorium, Multifunction room, Meeting room, Studio and any other places where seek for high acoustic requirements.



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