

## TEST REPORT

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Date : Jan. 23, 2018

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GAUNGZHOU ACOULOC BUILDING MATERIALS TECHNOLOGY DEVELOPMENT CO., LTD  
NO.8 YARD, GUANGZHOU JUNQU, GANYUAN ROAD, WUXIANQIAO, GUANGZHOU, CHINA

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

Sample Name : Durlum S1 Clip In Tiles Ceiling with Acouloc Acoustic Nonwovens  
Spec. : 600×600mm  
Test Performed : Selected test(s) as requested by applicant  
Date of Receipt : Dec. 20, 2017  
Test Period : Dec. 31, 2017 to Jan. 21, 2018

Test result(s) : Please refer to the following page(s)

\*\*\*\*\* To be continued\*\*\*\*\*

Signed for and on behalf of  
SGS-CSTC Standards Technical Services Co.,Ltd  
Guangzhou Branch



Chandler Wu  
Technical Engineer



SGS-CSTC Standards Technical Services Co.,Ltd.  
Guangzhou Branch

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### Test Information:

Sample description: See photo

Test Item: The sound absorption coefficient method of reverberation chamber test

Test Method: ISO 354:2003 Acoustics -- Measurement of sound absorption in a reverberation room

### Sample Details

Sample Details	Size: 600mm×600mm, Thickness: 0.7mm, 30pcs pore diameter: 2.5mm, punching rate:16%,Color: RAL9016PPC
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Remark: The above details are tested by Lab.

### Test condition

Ambient temperature	8℃	Relative humidity	49%
reverberation room	Volume:268m <sup>3</sup> , floor area:54m <sup>2</sup> , surface area:308m <sup>2</sup>		
Description of test arrangement	1. Installation: Cavity: 200mm. 2. Frequency range: 1/3 octave center frequency 3. Testing machine: Denmark BK4417 architectural acoustics analyzer, BK4166 microphone, American ENG power amplifier, Special speaker for testing 4. Specimen area: 10.8 m <sup>2</sup>		

\*\*\*\*\* To be continued\*\*\*\*\*



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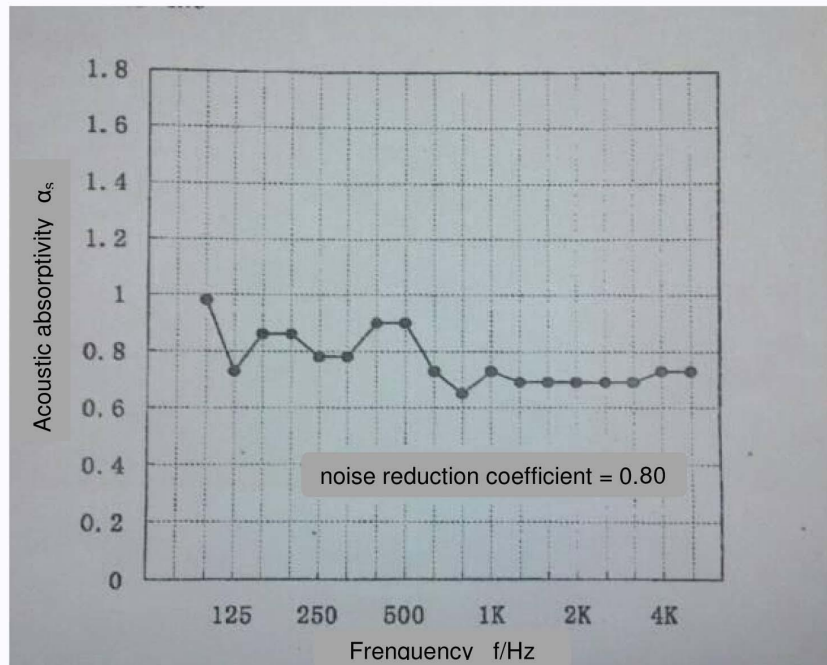
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**Test result:**

**noise reduction coefficient: 0.75**

Frequency $f(Hz)$	Acoustic absorptivity $\alpha_s$
100	0.98
125	0.73
160	0.86
200	0.86
250	0.78
315	0.78
400	0.90
500	0.90
630	0.73
800	0.65
1000	0.73
1250	0.69
1600	0.69
2000	0.69
2500	0.69
3150	0.69
4000	0.73
5000	0.73



Note: The above test was carried out by an external laboratory assessed as competent.

\*\*\*\*\* To be continued\*\*\*\*\*



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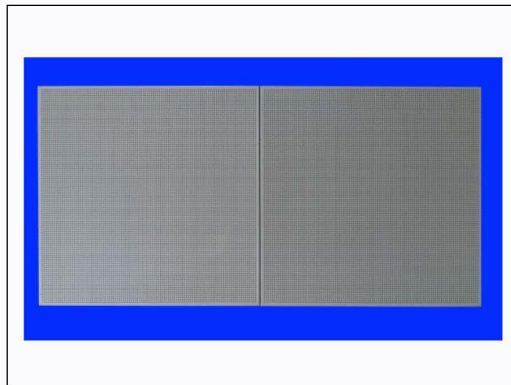
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Photo:



\*\*\*\*\* End of report \*\*\*\*\*



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