

## TEST REPORT

No. : GZIN2308000638CM01\_EN

Date : 2023-08-17

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CUSTOMER NAME: JASON PLASTERBOARD(HUIZHOU)COMPANY LTD.  
ADDRESS: BEACH IUDUSTRIAL PARK,HUIDONG  
COUNTRY,HUIZHOU,P.R.CHINA

Sample Name : Jason sound insulation partition system  
Product Specification : HJ12.5\*2+QC75+HJ12.5\*2  
Manufacturer : JASON Plasterboard(Huizhou)Company Ltd,,

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

\*\*\*\*\*

Date of Receipt : 2023-08-10  
Testing Period : 2023-08-10 ~ 2023-08-17  
Test result(s) : For further details, please refer to the following page(s)  
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

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

Ben Xue  
Authorized signatory



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### I. Condition

- 1) Volume of source room:300m<sup>3</sup>, Volume of receive room :145m<sup>3</sup>;
- 2) Temperature: 27°C; Relative humidity: 72%.

### II. Accordance

Measurement according to EN ISO 10140-2-2010 'Acoustics -- Laboratory measurement of sound insulation of building elements -- Part 2: Measurement of airborne sound insulation' and EN ISO 717-1-2013 'Acoustics -- Rating of sound insulation in buildings and of building elements -- Part 1: Airborne sound insulation'.

The sound reduction index R is calculated by the following equation:

$$R = L_1 - L_2 + 10 \lg \frac{S}{A} \text{ dB} \quad (1)$$

Where

$L_1$  is the average sound pressure level in the source room, in decibels;

$L_2$  is the average sound pressure level in the receiving room, in decibels;

$S$  is the area of the test specimen, in square meters, which is equal to the free test opening(10.3m<sup>2</sup>);

$A$  is the equivalent sound absorption area in the receiving room, in square meters.

### III. Instruments

B&K 2270 Investigation, Power amplifier B&K 2716, Omni directional speaker B&K 4292, Microphone B&K 4189 and accessories.



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## IV. Test Results:

<b>Specifications</b>	Jason sound insulation partition system was installed at a 10.5 square meter opening between the sound source room and the receiving room	
<b>Test project</b>	Airborne Sound Insulation	
<b>Test results</b>		
<b>f (Hz)</b>	<b>R (dB)</b>	
100	33.6	
<b>125</b>	<b>32.5</b>	
160	38.8	
200	43.5	
<b>250</b>	<b>47.3</b>	
315	47.9	
400	49.8	
<b>500</b>	<b>50.5</b>	
630	54.4	
800	56.6	
<b>1000</b>	<b>58.1</b>	
1250	59.4	
1600	59.9	
<b>2000</b>	<b>60.9</b>	
2500	57.9	
3150	56.6	
<b>4000</b>	<b>62.9</b>	
5000	64.2	
<b>Rw (C;Ctr)</b>	<b>55(-3;-7)</b>	◆ The sound reduction index    ■ The reference curve <b>Frequency (Hz)</b>



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### V. Photographic Records



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SGS-CSTC Standards Technical Services Co., Ltd.  
Guangzhou Branch Testing Center, Construction Material Laboratory

Room 101, Building 3, No.1501, Kaichuang Avenue, Huangpu District, Guangzhou, Guangdong Province, China 510760  
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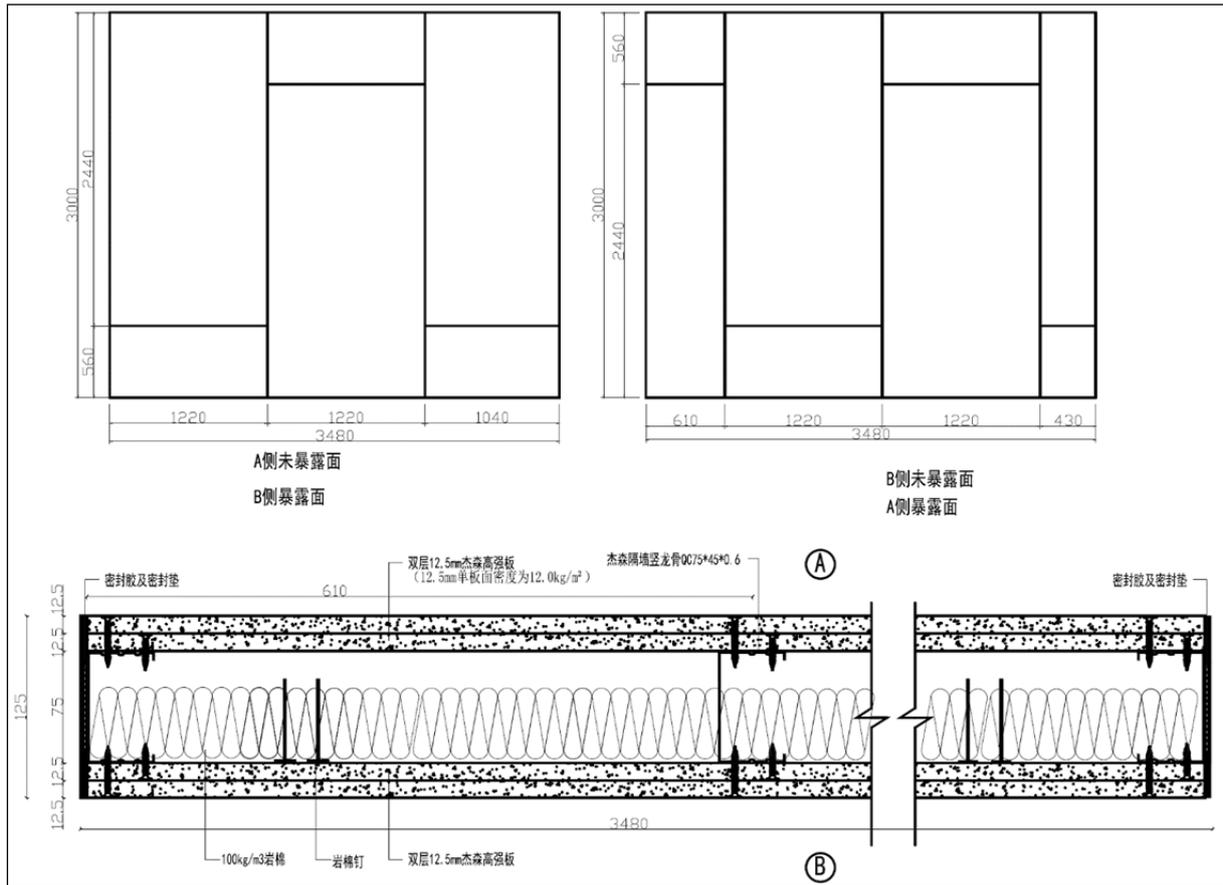
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Appendix information: The above test was carried out by Subtropical Architecture Institute South China University of Technology.

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



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