



Die Zukunft des nachhaltigen und feuerbeständigen Bauens

Zertifizierung und Sicherheit

Luftschalldämmung MAGOXX 18mm

SHIN170300783CCM

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TEST REPORT

No. : SHIN170 30078 3CCM

Date : Mar. 28, 2017

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CUSTOMER NAME: SINH BUILDING SOLUTIONS B.V.

ADDRESS: OOSTEINDE 26, 2271 EH, VOORBURG, THE NETHERLANDS

Sample Name : SINH™ BOARD

Specification : thickness18mm

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.

Test Required : Airborne sound transmission loss

Test Method : ASTM E90-09

SGS Ref No. : IN-SH-CP-5612-17019

Date of Receipt : Mar. 22, 2017

Testing Start Date : Mar. 22, 2017

Testing End Date : Mar. 24, 2017

Test result(s) : For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer to the sample(s) tested)

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

Erin Huang
Authorized signatory



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1. Test reference

- 1) ASTM E90-09 Standard test method for laboratory measurement of airborne sound transmission loss of building partitions and elements
- 2) ASTM E413-10 Classification for rating sound insulation

2. Sample detail

Dimension/Density	3000mmx1200mmx18mm/17.2kg/m ²
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3. Test condition

Air temperature in the test room	20.1	Air humidity in the test room	35.2%
Source room volume	125m ³	Receiving room volume	100m ³
Description of test arrangement	Area of test samples S is 10 m ²		

4. Test result

Rating according to ASTM E413-10:

Sound transmission class: STC=27 dB

$R_w(C;C_{tr})=27(-2;-2)$; $R_w+C=25dB$; $R_w+C_{tr}=25dB$

Clients requirement: STC>25dB

Conclusion: Pass

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



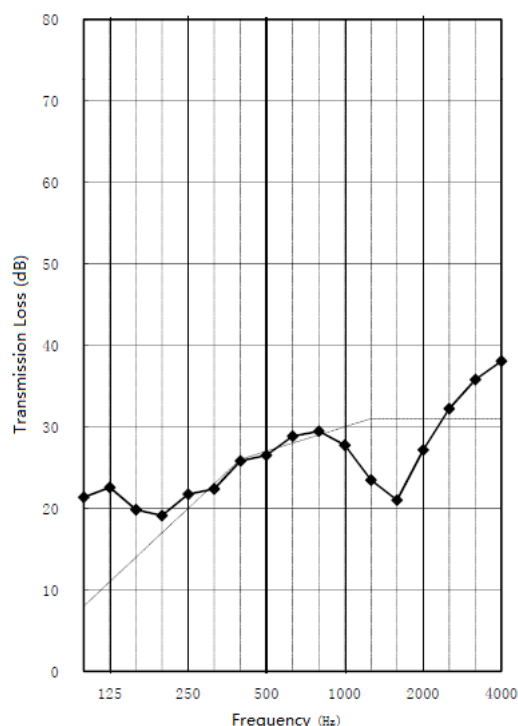
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Frequency f Hz	Value(dB)
100	21.4
125	22.6
160	19.8
200	19.1
250	21.7
315	22.4
400	25.8
500	26.5
630	28.9
800	29.5
1000	27.7
1250	23.5
1600	21.0
2000	27.2
2500	32.2
3150	35.8
4000	38.1



Remark:

----- Frequency range according to ASTM E413-10

———— Curve of STC reference values according ASTM E413-10

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



SGS Testing Services (Shanghai) Co., Ltd.
Testing Center/Center for Testing Services

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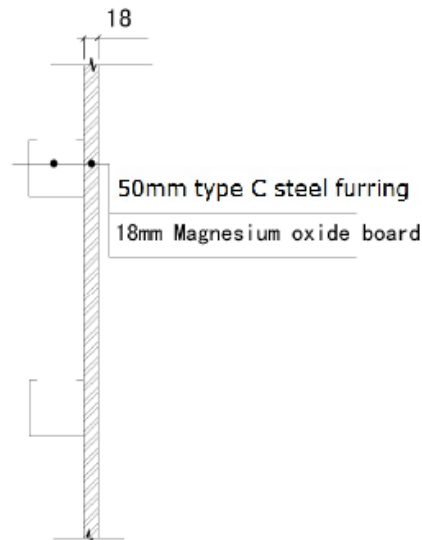
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Structure:



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

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



SGS Construction Materials Laboratory
Testing Center Construction Materials Laboratory

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