



The future of sustainable and fire-resistant construction

Acoustics

Acoustics MAGOXX 9mm

SHIN170300781CCM

info@magoxx.com

+31 (0) 88 3748400

www.magoxx.com



TEST REPORT

No. : SHIN170300781CCM

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 : SINHTM BOARD

Specification : thickness:9mm

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 only to the sample(s) tested)

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

Erin Huang
Authorized signatory



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Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.69, Block 1159, East Kang Qiao Road, Pudong District, Shanghai, China, 201319 t:(86-21)61196300 f:(86-21)61191853/98183620 www.sgs.com.cn
中国·上海·浦东康桥东路1159弄69号 邮编:201319 t:(86-21)61196300 f:(86-21)61191853/98183620 e: sgs.china@sgs.com

Member of the SGS Group (SGS SA)



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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	3000mmx1200mmx9mm/10.7kg/m ²
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3. Test condition

Air temperature in the test room	19.3	Air humidity in the test room	33.6%
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=28dB

R_w(C;C_{tr})=28(-1;-3); R_w+C=27dB; R_w+C_{tr}=25Db

Client's requirement: STC>25dB

Conclusion: Pass

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



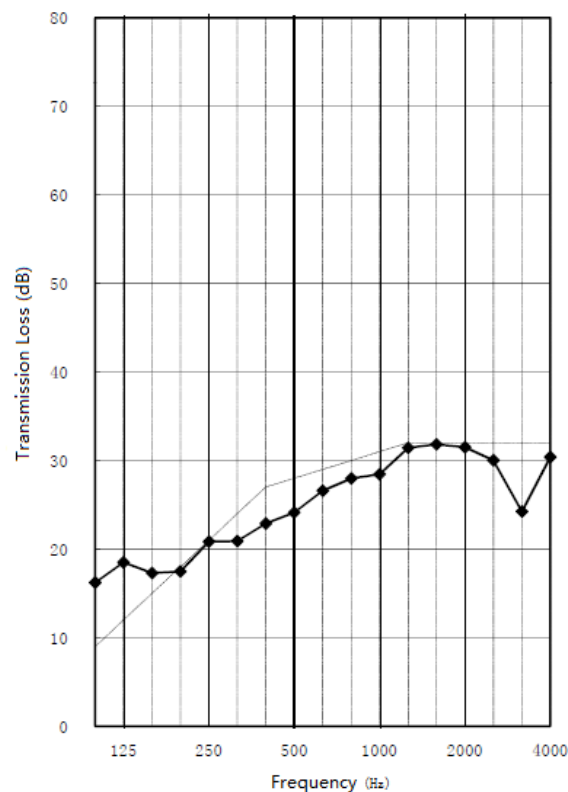
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Frequency f Hz	Value(dB)
100	16.2
125	18.5
160	17.3
200	17.5
250	20.8
315	20.9
400	22.9
500	24.1
630	26.6
800	28.0
1000	28.5
1250	31.4
1600	31.8
2000	31.5
2500	30.0
3150	24.3
4000	30.4



Remark:

- Frequency range according to ASTM E413-10
- Curve of STC reference values according to ASTM E413-10

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

SGS

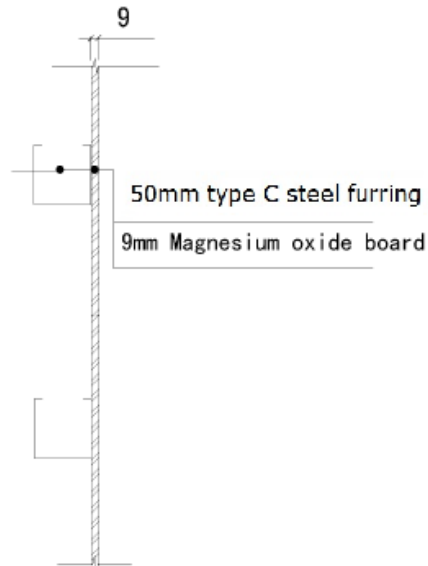
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Structure:



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

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



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MAGOXX B.V.
Caballero Fabriek
Saturnusstraat 60, Unit 71
2516 AH The Hague
The Netherlands
+31 (0) 88 3748400