

China Recognized
International
Mutual-recognition
Testing
Testing CNAS L0690

TEST REPORT

Center No.: WT2017B03A00778

Entrusted by: Jiangsu Spanl Building Materials Technology Co., Ltd

Sample Name: Decorative Thermal Insulation Metal Board

Test Type: Entrusted Test

National Research Center of Testing Techniques for Building Materials (Seal)





National Research Center of Testing Techniques for Building Materials
Test Report

Center No.: **WT2017B03A00778**

Page 1 of 2

Sample Name	Decorative thermal insulation metal board	Test Type	Entrusted test
Entrusted by	Jiangsu Spanl Building Materials Technology Co., Ltd.	Trademark	_____
Produced by	Jiangsu East Steel Co., Ltd.	Conditions of Samples	Satisfying test requirements
Date of Receiving	June 6, 2017	Quantity of Samples	14 pieces
Date of Production/Batch No.	May 2, 2017	Model & Specifications	370*1,000mm
References	GB/T 19889.3-2005 <i>Acoustics-Measurement of sound insulation in buildings and of building elements- Part 3 : Laboratory measurements of airborne sound insulation of building elements</i> GB/T 50121-2005 <i>Rating standard of sound insulation in buildings</i> GB/T 13475-2008 <i>Thermal insulation-Determination of steady-state thermal transmission Properties-Calibrated and guard hot box</i>		
Test Items	1. Thermal transmission coefficient 2. Airborne sound insulation		
Conclusions	* See Page 2 for test result. *		
Date of Issue: August 9, 2017 National Research Center of Testing Techniques for Building Materials (Seal for Test)			
Note (blank below):			

Approved by (Signature): Zhang Yuhui
Prepared by (Signature): Li Shunjie

Reviewed by (Signature): Liu Yingzhuo

Add: South Building of China Academy of Building Research, Guanzhuang, Chaoyang District, Beijing China
Tel: 65728538
Post Code: 100024

National Research Center of Testing Techniques for Building Materials
Test Report

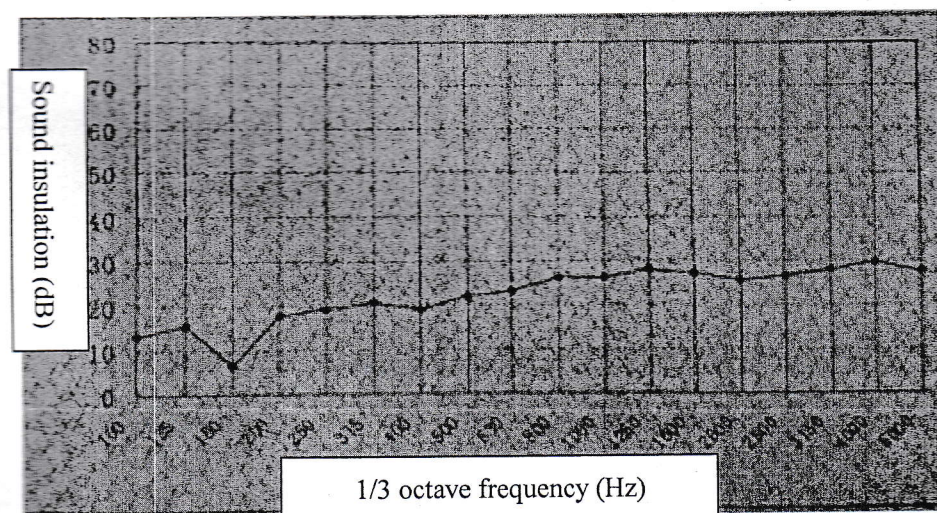
Center No.: **WT2017B03A00778**

Page 2 of 2

No.	Test items	Test result
1	Thermal transmission coefficient, $W/(m^2 \cdot K)$	1.50
2	Airborne sound insulation, dB	25

Center frequency, Hz	100	125	160	200	250	315	400	500	630
Sound insulation, dB	13.2	15.5	6.5	17.7	18.9	20.7	18.9	21.7	23.1
Center frequency, Hz	800	1000	1250	1600	2000	2500	3150	4000	5000
Sound insulation, dB	26.1	26.1	28.1	27	25.5	26.3	28.1	29.4	27.7
Weighted sound insulation, R_w	$R_w (C:Ctr)=25(-1;-4)dB$								

Sound insulation characteristics curve of samples



Remarks: 1. Weighted sound insulation (R_w) and corrected frequency spectrum are calculated in accordance with GB/T 50121-2005; and corrected frequency spectrum adopted by different types of noise sources is selected by reference to Table A.0.1 of GB/T 50121-2005.

2. Thickness: 15mm, surface density: $3.7kg/m^2$.

End of Report

Add: South Building of China Academy of Building Research, Guanzhuang, Chaoyang District,
Beijing China

Tel: 65728538

Post Code: 100024