

GARRISON PARALLELS TECHNICAL DATA SHEET

1. Product description:

Acoustic Panel. Made of Medium Density Fiberboard & Polyester Felt Backing Material.

2. Intended use:

Residential and commercial use as wall panel.

3. Distributor:

Old Master Products Inc.,

7751 Hayvenhurst Ave. Van Nuys, CA 91401 Tel: (800) 300-5158 | www.garrisoncollection.com

TEST ITEMS	RESULTS
Product Name	Acoustic Panel
Material	Medium density fiberboard & Polyester
Surface treatment	Wood veneer
Size	600mm x 2440mm
Thickness	21mm
Weight	11.2kg
Sound absorption coefficient (felt only)	0.3
Formaldehyde (MDF)	Carb P2
Thickness expansion rate of water absorbing(MDF)	9.4%
Package specification	2460 x 52 x 620mm
Package quantity	2pcs
Installation method	Screws or mounting glue
Clean	Clean with a vacuum cleaner or a dry cloth, not with water
Application scenarios	Conference rooms, recording studios, concert halls, decorative, etc



No.: CZIN2303000023CM

Date: Mar 27, 2023

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CUSTOMER NAME: OLD MASTER PRODUCTS

ADDRESS: 7751 HAYVENHURST AVE, VAN NUYS, CA 91406, USA

Sample Name : ACOUSTIC WALL PANEL

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 : Sound Absorption Coefficient

SGS Ref. No. : SHIN2303000487CM

Ref. Standard : EN 15102:2019 Clause 4.7 & EN ISO 354:2003

Date of Receipt : Mar 07, 2023
Testing Start Date : Mar 07, 2023
Testing End Date : Mar 27, 2023

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 Service (Changzhou)Co., Ltd.

Tiffany Liu

Authorized signatory



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Summary of Results:

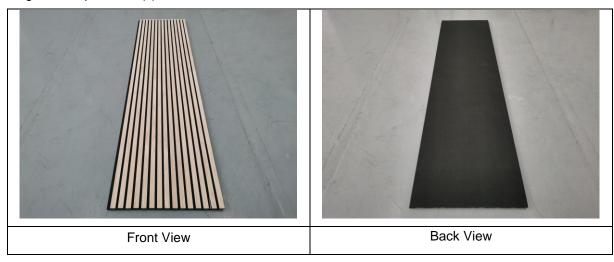
No.	Test Item	Test Method	Result	Conclusion
1	Sound Absorption Coefficient	EN 15102:2019 Clause 4.7 & EN ISO 354:2003	See Result	/

Note: Pass: Meet the requirements;

Fail: Does not meet the requirements;

/: Not Apply to the judgment.

Original Sample Photo(s):





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Test Item: Sound Absorption Coefficient

I. Test Method

EN 15102:2019 Decorative wallcoverings - Roll form, Clause 4.7 - Sound absorption

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

II. Sample Details

Dimensions	2400mm×600mm×21mm		
Surface Density	About 7.53kg/m ²		

III. Test Condition

Ambient Temperature	15.0℃	Relative Humidity	86.8%RH	
Volume Reverberation	260m ³	Toot Area	10.8m ²	
Room	2601119	Test Area	(3.6m×3.0m)	
Description of Test	The installation of samp	oles refers to type E mounti	ing.	
·	The samples are installed in the reverberation room, use baffle to			
Arrangement	enclosure. 100mm bacl	cavity.		



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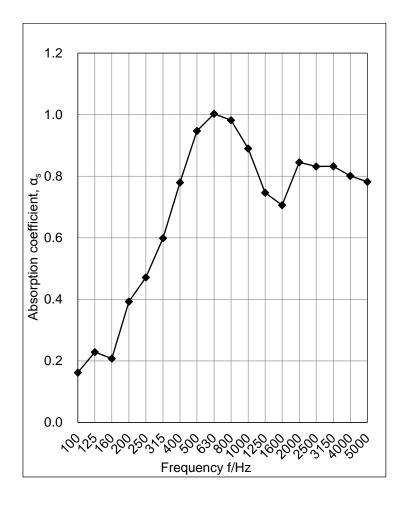
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IV. Test Result

iv. restrictant			
Frequency,	Absorption		
Hz	Coefficient, αs		
100	0.16		
125	0.23		
160	0.21		
200	0.39		
250	0.47		
315	0.60		
400	0.78		
500	0.95		
630	1.00		
800	0.98		
1000	0.89		
1250	0.75		
1600	0.71		
2000	0.85		
2500	0.83		
3150	0.83		
4000	0.80		
5000	0.78		
ās	0.68		
NRC	0.80		





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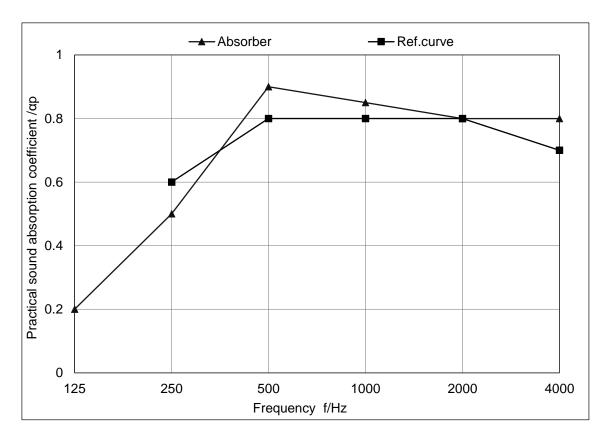
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	Reference	Practical sound	Weighted sound	Sound
Frequency/Hz		absorption coefficient,	absorption coefficient,	absorption
	curve	$lpha_{p}$	α_{w}	classes
125	-	0.20		
250	0.60	0.50		
500	0.80	0.90	0.80	Class B
1000	0.80	0.85	0.00	Oldoo B
2000	0.80	0.80		
4000	0.70	0.80		





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V. Weighted Sound Absorption Coefficient

Calculated according to EN ISO 11654:1997:

Average Absorption Coefficient ās (100Hz~5000Hz): 0.68

Noise Reduction Coefficient: NRC=0.80

Weighted sound absorption coefficient: α_w =0.80

Sound absorption classes: Class B

Note:

- 1. According to EN ISO 11654:1997, Sound absorption classes is five: Class A α_w =0.90;095;1.00 Class B α_w =0.80;0.85 Class C α_w =0.60;0.65;0.70;0.75 Class D α_w =0.30;0.35;0.40;0.45;0.50;0.55 Class E α_w =0.15;0.20;0.25 Not classified α_w =0.00;0.05;0.10
- 2. NRC is the arithmetic average of absorption coefficient contained four octave frequency bands (250, 500, 1000, 2000 Hz).
- 3. This declaration of conformity is only based on the result of this laboratory activity, the impact of the uncertainty of the results was not included.

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



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This test report is a translation of report No. AJFS2102001269FF_CN. If any dispute or misunderstanding happens, the Chinese version prevails.

The following sample(s) information was / were submitted and identified on behalf of the client. SGS is not responsible for the authenticity, integrity and results of the data and information and / or the validity of the conclusion arising therefrom. Results apply to the sample as received.

Sample Description: 100% POLYESTER SOUND - ABSORBING PANELS

SGS Ref No.: SHHL2102007285OT

Style No.: 1220*2420*9 (mm)

Manufacturer:

Country of Origin: CHINA

Test Requested:

GB 8624-2012 Classification for burning behavior of building materials and products, Flat building materials and products, Class B

Test Results: -- See attached sheet --

Test Period:

Sample Receiving Date : MAR.03, 2021

Test Performing Date MAR.03, 2021 TO MAR.12, 2021

Signed for and on behalf of SGS-CSTC Co., Ltd. Anji Branch

Allen Zou Lab Manager





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I. Test Conducted

This test was conducted in accordance with GB 8624-2012 Classification for burning behavior of building materials and products. And the test methods as following:

- (1) GB/T 20284-2006 Single burning item test for building materials and products.
- (2) GB/T 8626-2007 Test method of flammability for building materials.

II. Sample Details

Specimens Size	1500x1000mm & 1500x495mm	Tested Face	Any face	
Substrate	Calcium silicate board	Fixing method	Fix mechanically	
Splicing method	None			
Mounting and fixing	Calcium silicate board, with its density approximate 900kg/m³, thickness approximate 9mm, is as the substrate. The Test specimens are fixed mechanically to the substrate. No joint in the long and short wings of the specimen.			

III. Test Results

Test method	Parameter	Results	
	FIGRA _{0.2MJ} (W/s)	0	
	FIGRA _{0.4MJ} (W/s)	0	
	LFS < edge of specimen	Yes	
GB/T 20284	THR _{600s} (MJ)	0	
	SMOGRA(m ² /s ²)	0	
	TSP _{600s} (m ²)	22.6	
	Flaming droplets/particles	No	
GB/T 8626	Fs ≤ 150 mm Yes		
Exposure = 30 s	Ignition of the filter paper No		

IV. Classification and field of application

a) Reference of classification

This classification has been carried out in accordance with GB 8624-2012, clause 5.1.1. The classes with their corresponding fire performance are given in annex A.

b) Classification

The product, in relation to its reaction to fire behaviour is classified:

MEET	Class B ₁ (B)
Classification	GB 8624 B ₁ (B - s1, d0)

c) Field of application

This classification is valid for the following end use applications:

- --- With all substrates classified A1 or A2
- --- Fix mechanically
- --- No joint

This classification is valid for the following product parameters:

--- Characteristics as described in section II of this test reports.

IV. Statement

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

To be continued....



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Annex A

Classes and Classification criteria of reaction to fire performance for Flat building materials and products

Cla	ass	Test method		Classification criteria
		GB/T 5464 a		ΔT ≤ 30 °C
	and		∆m ≤ 50 %	
Α	A1	anu		$t_f = 0$
		GB/T 14402		PCS ≤ 2.0 MJ/kg a, b, c, e
		GB/1 14402		PCS ≤ 1.4 MJ/m ^{2 d}
		GB/T 5464 a		ΔT ≤ 50 °C
				∆m ≤ 50 %
		or	and	$t_f \le 20 \text{ s}$
Α	A2	GB/T 14402		PCS ≤ 3.0 MJ/kg ^{a, e}
A	AZ	GB/1 14402		PCS ≤ 4.0 MJ/m ^{2 b, d}
				FIGRA _{0.2MJ} ≤ 120 W/s
		GB/T 20284		LFS <edge of="" specimen<="" td=""></edge>
				THR _{600S} ≤ 7.5 MJ
		GB/T 20284		FIGRA _{0.2MJ} ≤ 120 W/s
		and	LFS <edge of="" specimen<="" td=""></edge>	
B ₁	В			THR _{600S} ≤ 7.5 MJ
		GB/T 8626		Fs ≤ 150mm within 60 s
3	÷	Exposure = 30s		No flaming droplets/particles ignite filter paper within 60 s
		GB/T 20284		FIGRA _{0.4MJ} ≤ 250 W/s
		5 7 5 7 5		LFS <edge of="" specimen<="" td=""></edge>
B ₁	C and GB/T 8626		THR _{600S} ≤ 15 MJ	
			Fs ≤ 150mm within 60 s	
,		Exposure = 30s		No flaming droplets/particles ignite filter paper within 60 s
		GB/T 20284		FIGRA _{0.4MJ} ≤ 750 W/s
D B ₂	D	and		
		GB/T 8626		Fs ≤ 150mm within 60 s
52		Exposure = 30s		No flaming droplets/particles ignite filter paper within 60 s
	F	E GB/T 8626 Exposure = 15s		Fs ≤ 150mm within 20 s
	_			No flaming droplets/particles ignite filter paper within 20 s
B ₃	F			No performance determined

- For homogeneous products and substantial components of non-homogeneous products.
- b For any external non-substantial component of non-homogeneous products.
- c Alternatively, any external non-substantial component having a PCS ≤ 2.0 MJ/m², provided that the product satisfies the following criteria: FIGRA_{0.2MJ} ≤ 20 W/s, and LFS < edge of specimen, and THR_{600s} ≤ 4.0 MJ, and s1, and d0, it will be A1.
- d For any internal non-substantial component of non-homogeneous products.
- For the product as a whole.

To be continued....



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Characteristics of smoke production classification and Classification criteria

Characteristics of smoke production classification	Test method(s)	Classification criteria
s1	GB/T 20284	$SMOGRA \le 30 \text{ m}^2/\text{s}^2$ $TSP_{600S} \le 50 \text{ m}^2$
s2	GB/T 20284	SMOGRA ≤ 180 m^2/s^2 TSP _{600S} ≤ 200 m^2
s3	GB/T 20284	Not s1 or s2

Flaming droplets/particles classification and Classification criteria

Flaming droplets/particles classification	Test method(s)	Classification criteria
d0	GB/T 20284	No flaming droplets/particles within 600 s
d1	GB/T 20284	No flaming droplets/particles persisting longer than 10 s within 600 s
d2	GB/T 20284	Not d0 or d1

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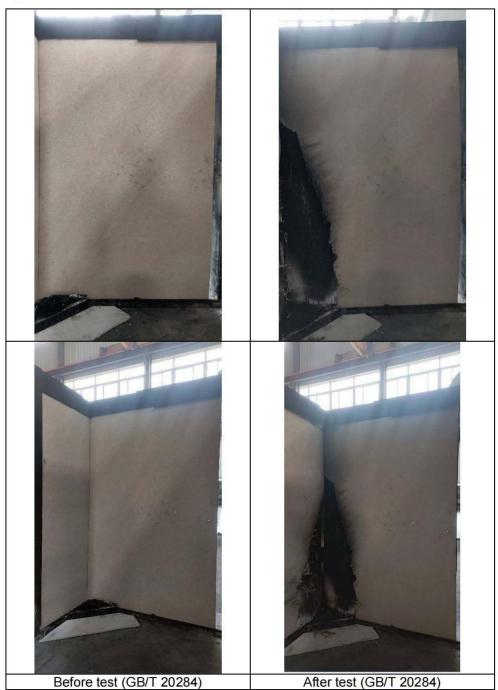


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Photo Appendix:



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Remark: The test was performed by SGS internal laboratory.

End of Report



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