



JARDEON

Sound Absorber Industry Leader.

SGS

TEST REPORT

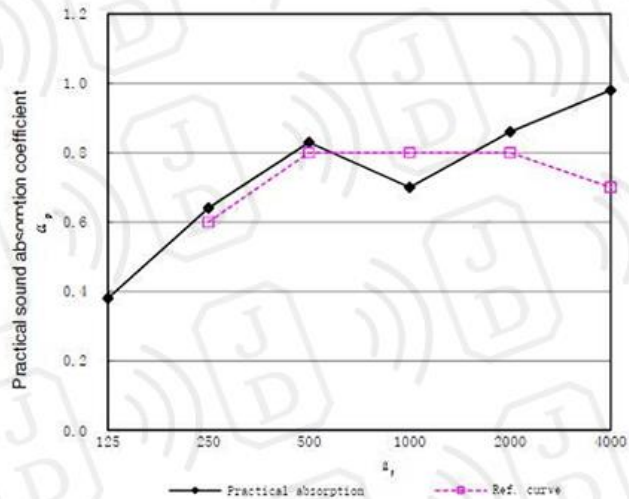
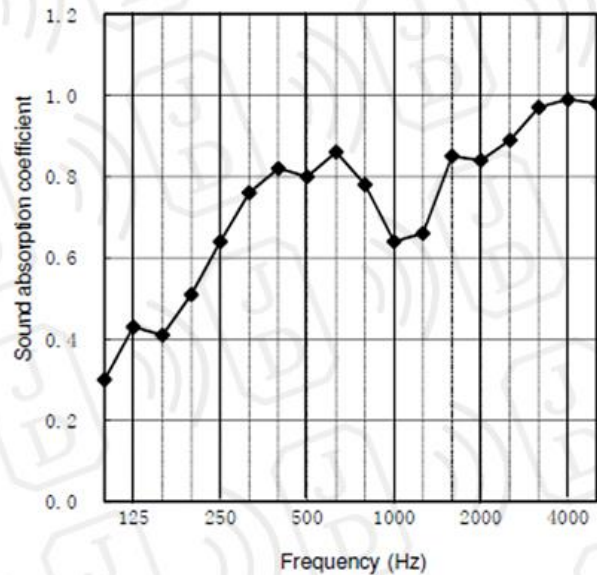
No. : XMIN190100254CCM

Date : Jan.31, 2019

Page: 3 of 4

Frequency spectrum

f Hz	Sound absorption coefficient α	Practical absorption α_p	Ref. curve
100	0.30	/	/
125	0.43	0.38	/
160	0.41	/	/
200	0.51	/	/
250	0.64	0.64	0.60
315	0.76	/	/
400	0.82	/	/
500	0.80	0.83	0.80
630	0.86	/	/
800	0.78	/	/
1000	0.64	0.70	0.80
1250	0.66	/	/
1600	0.85	/	/
2000	0.84	0.86	0.80
2500	0.89	/	/
3150	0.97	/	/
4000	0.99	0.98	0.70
5000	0.98	/	/
$\alpha_s = 0.73$			
$\alpha_w = 0.8$			



Remark:

1. α_s is the arithmetic mean value of absorption coefficient from 100Hz to 5000Hz
2. α_w is the results calculation according to ISO 11654:1997
3. The above test was carried out by Center for Building Environment Test, Tsinghua University.

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



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Page: 2 of 4

Test Conducted:

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

ISO 11654:1997 Acoustics-Sound absorbers for use in buildings-Rating of sound absorption

Test Condition:

Sample Description : POLYESTER ACOUSTIC PANEL (see photo)

Total thickness about 12mm, surface density about 2.2kg/m²

Installation Info. : 4200×2400mm total 10.08 m² test materials is installed in the reverberation room, surrounded by a 40mm thickness reinforced concrete slab envelope
150mm cavity, installation structure is shown in next page

Test Equipment : RTA840 system

Test Environment : Reverberation room: 200m³,
Temperature:15.3°C, relative humidity: 40.9%

Test Result

Test Item	Test Standard	Result
Sound absorption	ISO 354:2003	$\alpha_s = 0.73$
	ISO 11654:1997	$\alpha_w = 0.95$

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



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ACOUSTIC PANEL CUTTING TOOL



You need to buy a chamfer cutting tool and a blade, which is a very simple and fast cutting operation.

The pictures shows the cutter diagram example.



JD REMINDS YOU:

Please pay attention to safety when cutting.

VERY EASY TO CUT WITH A CUTTING TOOL

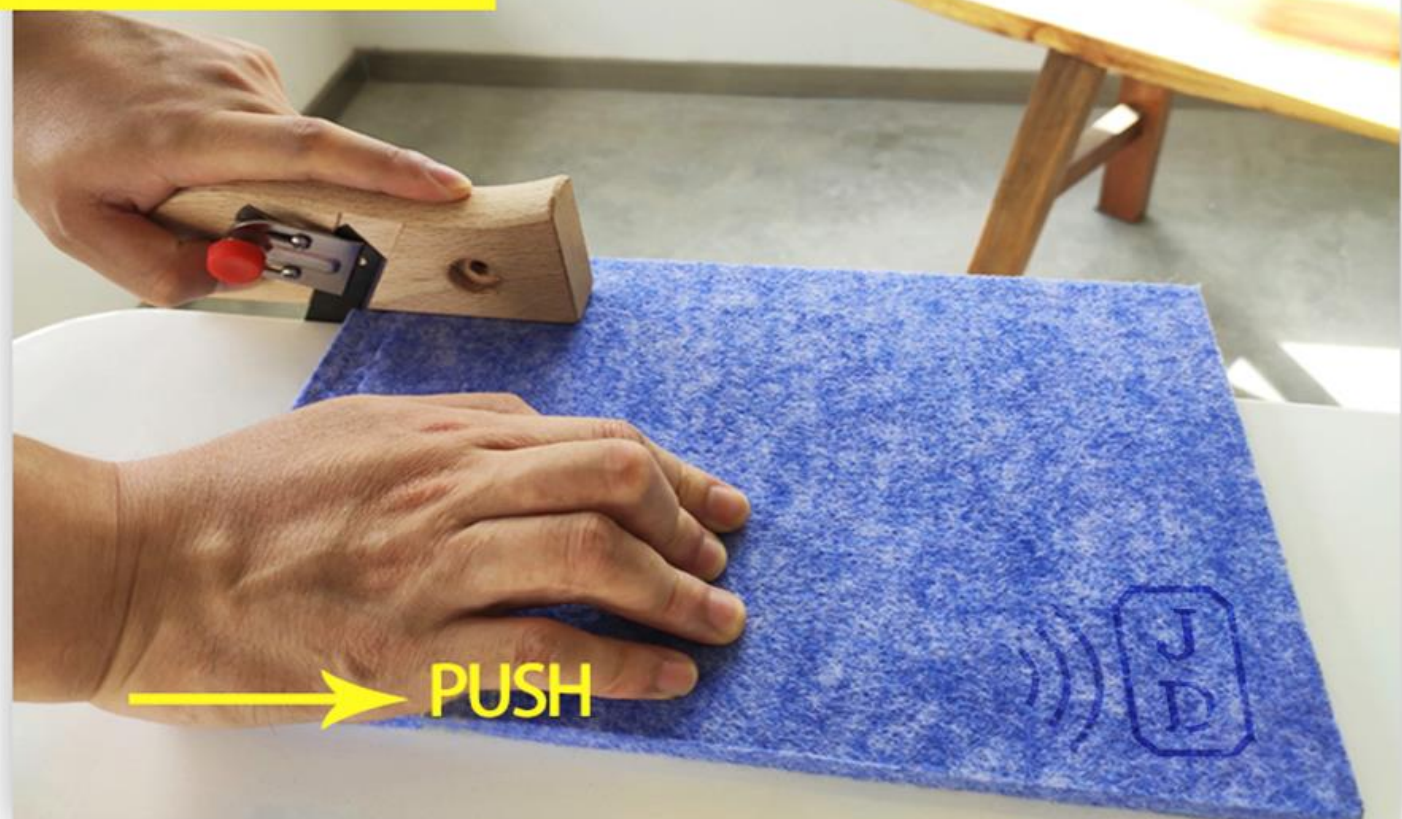


Chamfer Show

Cutting Show (Pull)



Cutting Edge (Push)



RECOMMENDED WAYS TO INSTALL

SCREWS

You can use a nail longer than 3/8 inch for binding



SPRAY ADHESIVE MADE BY 3M

You can apply the adhesive on the back of the JD sound absorbing panel and paste it.

3M VHB HEAVY DUTY MOUNTING DOUBLE-SIDED TAPE



ADHESIVE VELCRO STRIPS