

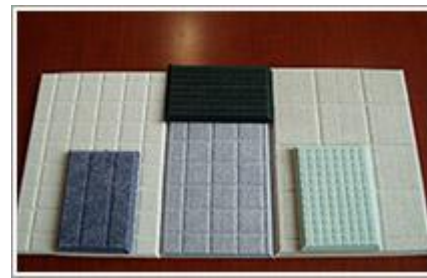
WOOL PANEL – Summery

○Description

WOOL PANEL is the best hard type board for sound absorption. You can design for any purpose with this one. This is used for the finishing material instead of MDF on the wall, the ceiling in the room.



[WOOL PANEL]



[WOOL PANEL Pattern]

○Feature

① Raw Material

- 100% of polyester fiber

② Environment and sanitation

- WOOL PANEL is made of 100% polyester fiber, so it has no injury to human body like regular polyester cloths. There are no color changes under sunlight. When absorbing water, it will be evaporated easily to 99.6%, so keep WOOL PANEL from getting moldy, bacteria, etc. There are no deformations by weathering.

WOOL PANEL is made of recycling polyester (50%), and it will be re-use again and again.

③ Manufacturing process

- The WOOL PANEL is made by the Non-woven M/C (needle punching and heating type) with polyester fiber, and it has no strain, shrinkage, and bend against to any direction force.

④ Color

- White, Gray, Light brown, Dark brown, Orange, Blue, Green, Black colors are produced regularly.

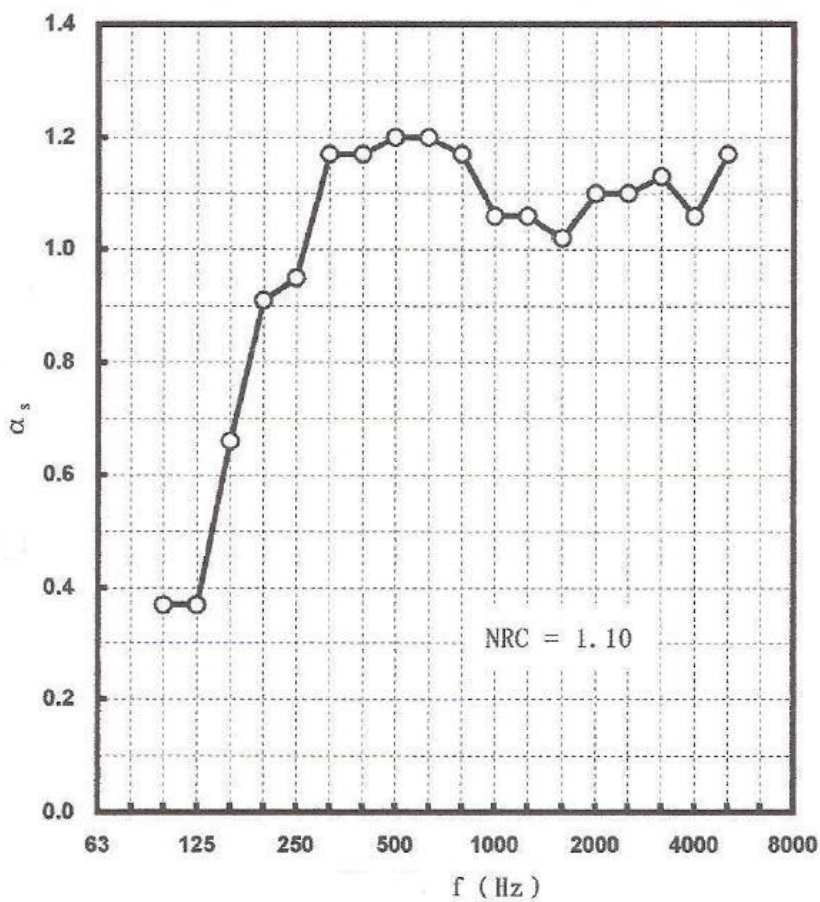
We can supply any special color if your order quantity is exceed 1,000 m² per one time.

○Physical Properties's Comparison

- Density, thickness, and size

Item	Density	Thickness	size
Unit	(K=Kg/m ³)	(mm)	(mm)
Standard	180, 220	9	1000x2000, 1220x2420
Optional	150~179, 221~250	5, 10~25	width : 0~2400 Length : no limit

○ Test Result



Hz	α_s
100	0.37
125	0.37
160	0.66
200	0.91
250	0.95
315	1.17
400	1.17
500	1.20
630	1.20
800	1.17
1000	1.06
1250	1.06
1600	1.02
2000	1.10
2500	1.10
3150	1.13
4000	1.06
5000	1.17
NRC	1.10

○ The rate of thermal conduction

Unit	Result	Methods
W/m.K	0.033	KSL 9016-95 (20±20°C)

○The results of frame retardant

Exam. Item	Standard	Results			Remarks
		0.21	0.39	0.57	
Frame left over time(sec)	Less than 10	0	0	0	
Ash left over time(sec)	Less than 30	0	0	0	
Size of carbonization(cm ²)	Less than 50	32.4	34.5	37.4	
Length of carbonization(cm)	Less than 20	6.3	6.4	6.6	
Results		Succeed			

○SPEC

Standard	9T	Remarks
Density(K)	180~220	0
Thickness(mm)	9	0
Size (mm * mm)	1220 * 2420	
Color	21Colors: Dark Beige, White, Black, Blue, Red, Gray, Green, Yellow, Light Blue, Light Beige	