



**ecosil®**  
CRAFTING SILENCE. ENHANCING WELLNESS



# ACOUSTIC CEILING PANELS

By changing the asbestos ceiling board to **Acoustic Ceiling Panel (ACP)**, the roofing heat from the afternoon hot sun and noise from heavy rain will be shielded. With less heat, it also helps to save air conditioning electricity, in addition to making the room more comfortable to stay in. It is easy to use and install.



## FELT SPECIFICATIONS

Available in:

Thickness (mm)	Density (gsm)	Dimension (mm <sup>2</sup> )
20 mm	1200 gsm	300 x 300 mm
	2000 gsm	300 x 600 mm
	2400 gsm	300 x 1215 mm
		600 x 1215 mm
		600 x 600 mm
40 mm	1200 gsm	300 x 300 mm
	2000 gsm	300 x 600 mm
	2400 gsm	300 x 1215 mm
		600 x 1215 mm
		600 x 600 mm
60 mm	1200 gsm	300 x 300 mm
	2000 gsm	300 x 600 mm
	2400 gsm	300 x 1215 mm
		600 x 1215 mm
		600 x 600 mm

**Note:**

Custom made size (dimension & density) is available based on request.





**MADE TO SUIT  
YOUR SPACE**



**INCREASE YOUR FOCUS**

**FOUR SHADES.  
ENDLESS POSSIBILITIES.**



*\*more colours in development*

## FEATURES & BENEFITS

Perfect for any setting—whether it's an office, house, cinema, or fitness center—our panels combine great sound and thermal performance. Check out the features and benefits listed below to see how they can enhance your space with both style and functionality.



GOOD SOUND  
ABSORPTION  
PERFORMANCE



EASY TO  
INSTALL



NON HEALTH  
HAZARD  
(RoHS COMPLIANCE)



ECO-FRIENDLY  
(70% ABOVE  
RECYCLE MATERIAL)



HEAT INSULATOR  
(SUBSTANCE THAT  
ARE GOOD AT  
PREVENTING  
HEAT TRANSFER)



FIRE  
RETARDANT  
FELT



LIGHT  
WEIGHT



RIGID YET  
FLEXIBLE



ESG  
(ENVIRONMENTAL  
SOCIAL GOVERNANCE)  
COMPLIANCE WITH  
SUSTAINABLE  
MATERIAL



DO NOT  
CAUSE  
IRRITATION  
TO SKIN



MOULDABLE TO  
CUSTOMIZE  
ARTWORK  
AVAILABLE



SOUND  
DAMPENING

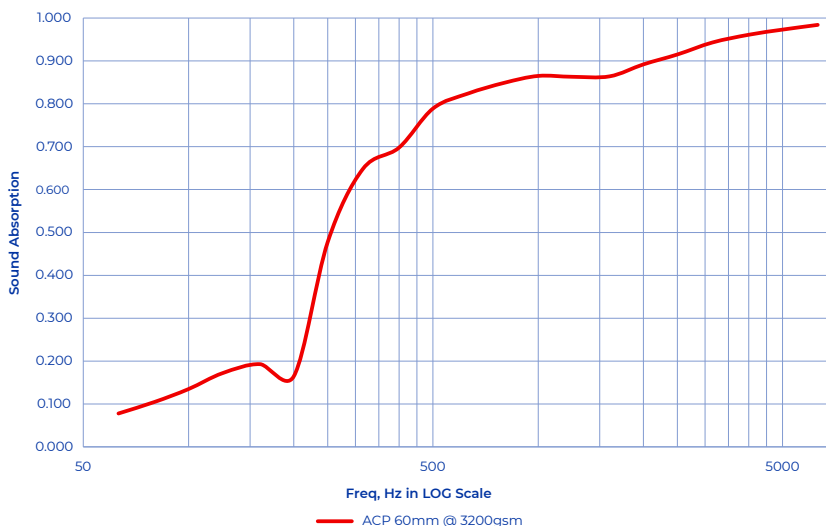
## Your Go-To for High Quality and Safe Soundproofing!

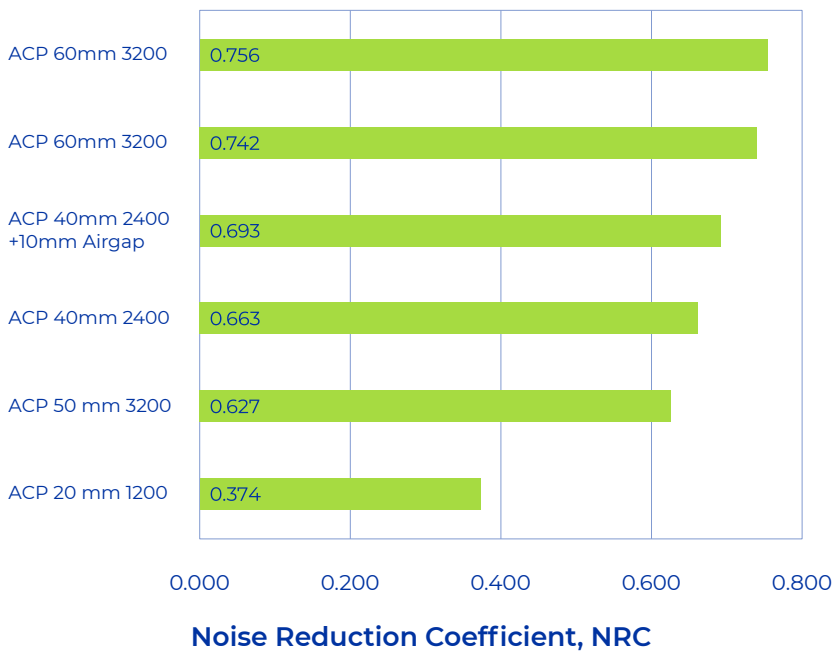
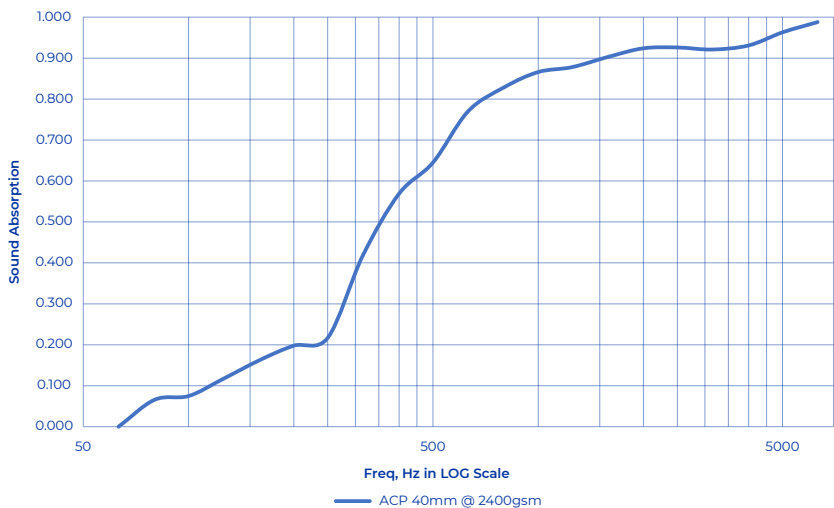
At Ecosil, we prioritize quality and safety in all our products. Our soundproof panels are thoroughly tested to ensure they provide top-notch noise reduction and meet the highest fire safety standards.

We've put our panels through rigorous noise reduction tests to show how effectively they block out sound, and we didn't forget about safety—our fire testing ensures they're as safe as they are effective.

For detailed test results, check out the information further in this brochure. Choose Ecosil for soundproofing that truly makes a difference!

## SOUND ABSORPTION PERFORMANCE CHART





# UL94 VERTICAL FIRE TEST RESULTS

Sample	Time	1	2	3	4	5
Flaming Time	1 <sup>st</sup> Test	0	0	0	0	0
	2 <sup>nd</sup> Test	0	0	0	0	0
Total Flaming Time		0				
Burn Up To Holding Clamp		X	X	X	X	X
Dripping Flaming Particle		X	X	X	X	X
Glowing Time		9	8	9	9	10
Judgement		PASS				
Class		V-0				

Sample	Time	6	7	8	9	10
Flaming Time	1 <sup>st</sup> Test	0	0	0	0	0
	2 <sup>nd</sup> Test	0	0	0	0	0
Total Flaming Time		0				
Burn Up To Holding Clamp		X	X	X	X	X
Dripping Flaming Particle		X	X	X	X	X
Glowing Time		9	8	8	9	9
Judgement		PASS				
Class		V-0				

# HEAT INSULATION TEST RESULTS

Starting Temperature: 30°C    Test Duration: 375 minutes

Time	Heater Temperature	Plaster Board Thickness: 10 mm Weight: 1090 g	Insulation Felt Thickness: 20 mm x2 (40mm) Weight: 465 g [With Aluminium foil]	Temperature Difference	Remarks
		Box 1	Box 2		
9.15	Off	26.7°C	26.8°C	N/A	
9.45	58°C	30.3°C	27.1°C	3.2°C	
10.15	60°C	36.0°C	28.5°C	7.5°C	
10.45	60°C	38.1°C	28.8°C	9.3°C	
11.15	60°C	39.9°C	29.5°C	10.4°C	
11.45	60°C	39.5°C	29.9°C	9.6°C	Box Opened
12.15	60°C	39.5°C	30.2°C	9.3°C	
12.45	60°C	39.7°C	30.4°C	9.2°C	
13.15	60°C	39.8°C	30.7°C	9.1°C	
13.45	60°C	40.1°C	31.0°C	9.1°C	
14.15	60°C	40.2°C	30.9°C	9.3°C	
14.45	60°C	40.8°C	31.1°C	9.6°C	
15.15	60°C	41.4°C	31.1°C	10.3°C	
15.45	60°C	41.8°C	31.1°C	10.7°C	
16.15	60°C	41.8°C	31.1°C	10.7°C	
16.30	60°C	41.8°C	31.1°C	10.7°C	



Interested? Drop by our offices or get in touch using the contact info shown below.



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