**DESCRIPTION:**

GMCAIR Acoustic Panels (AP) are ideal for use in barriers and enclosures in many industrial applications. The tongue-and-groove design is self-aligning, easy to install and structurally sound, making acoustic panels an economic solution to control unwanted noise at the source. This highly effective and flexible panel system can be customized to suit almost any application.

CONSTRUCTION:

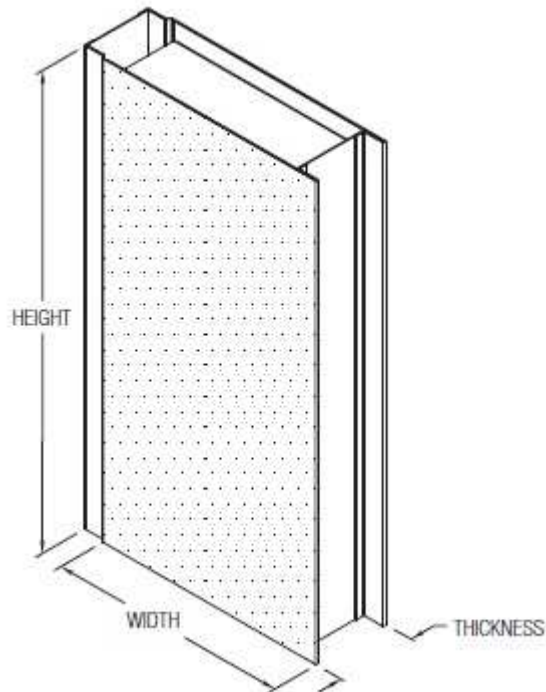
GMCAIR Acoustic Panels are ideal for use in walls, barriers and enclosures, and are engineered to meet noise reduction requirements. Some options include:

- 5, 10 vey a15 cm (2, 4 or 6 in) panel thickness for varying levels of sound attenuation.
- Material options including: 304SS, 316SS, galvanized, satin coat (paintable) and aluminum
- High performance access doors.
- Customized openings and construction characteristics for each application.
- Heavy gauge construction to minimize breakout noise.

APPLICATION:

Acoustic panels effectively reduce unwanted radiated noise from various mechanical equipment including turbines, pumps, motors, compressors, air handlers, cooling towers, and generator sets:

- Custom enclosures for noisy mechanical equipment
- Acoustic / thermal plenums
- Noise barriers
- Testing environments
- Factory offices

**STANDARD DIMENSIONS:**

Panel Width		Thickness	
Min	Max	Min	Max
6" - 150mm	45" - 1150mm	2" - 50mm	6" - 150mm



PERFORMANCE DATA

Imperial

Model	Thickness (in.)	Transmission Loss (dB)						Absorption (Coefficient)					
		Measured at Octave Band Center Frequencies						Measured at Octave Band Center Frequencies					
		125 Hz	250 Hz	500 Hz	1K Hz	2K Hz	4K Hz	125 Hz	250 Hz	500 Hz	1K Hz	2K Hz	4K Hz
AP	2	16	22	29	37	42	48	0.50	0.83	1.05	0.95	0.97	0.89
	4	17	27	36	47	56	60	0.71	1.29	1.18	1.05	0.98	0.89
AP - Film Lined	2	19	30	36	44	56	58	0.39	0.34	0.62	0.81	0.84	0.80
	4	19	31	41	49	56	59	0.47	0.75	0.88	0.88	0.88	0.84

Metric

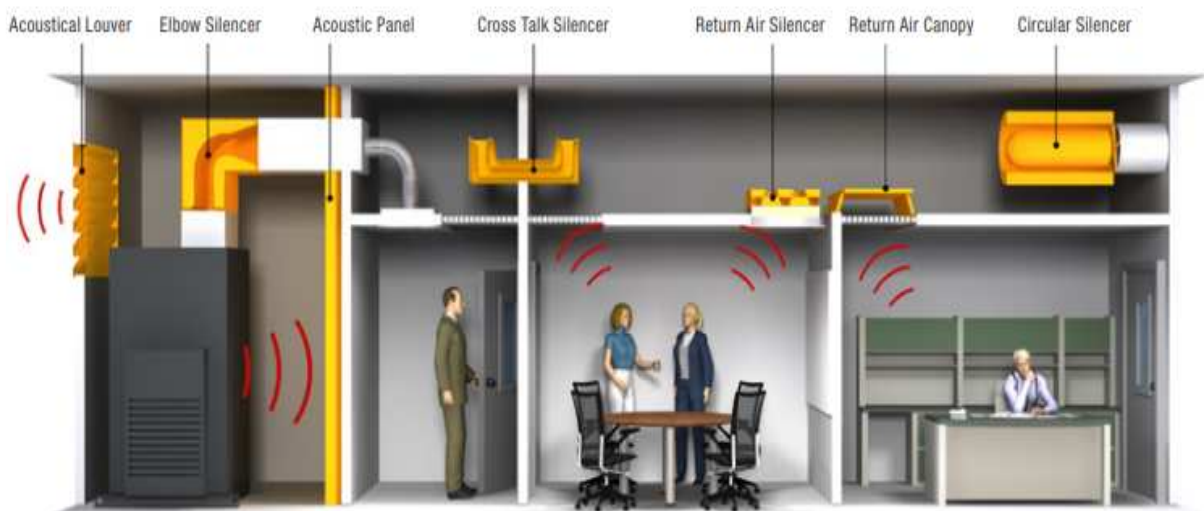
Model	Thickness mm	Transmission Loss (dB)						Absorption (Coefficient)					
		Measured at Octave Band Center Frequencies						Measured at Octave Band Center Frequencies					
		125 Hz	250 Hz	500 Hz	1K Hz	2K Hz	4K Hz	125 Hz	250 Hz	500 Hz	1K Hz	2K Hz	4K Hz
AP	50	16	22	29	37	42	48	0.50	0.83	1.05	0.95	0.97	0.89
	100	17	27	36	47	56	60	0.71	1.29	1.18	1.05	0.98	0.89

Performance Notes:

Test data is obtained in accordance with the latest ASTM

E90 and ASTM C423 test standards for transmission loss and absorption coefficients respectively.

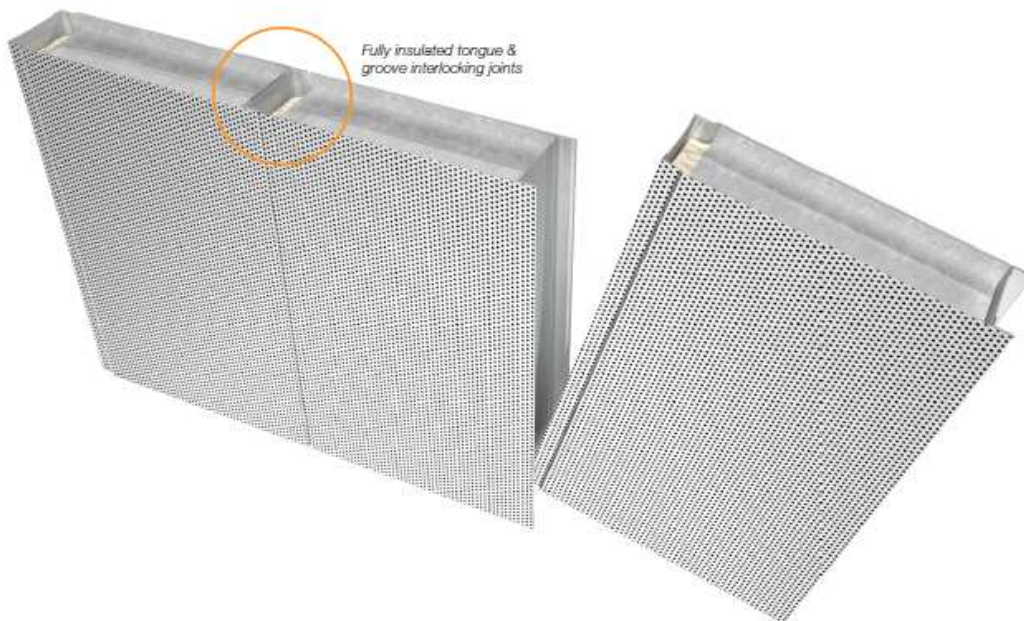
Product Application





ACOUSTIC PANELS INSTALLATIONS

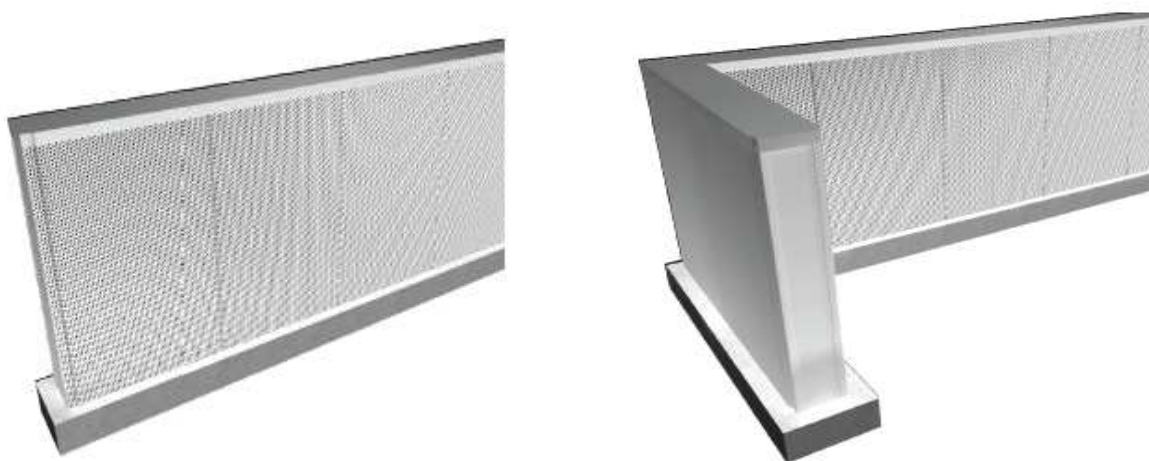
Price Acoustic Panels allow for custom engineered solutions based on project requirements. These are ideal for enclosure and barrier applications to address unwanted noise and thermal concerns. Fully insulated tongue-and-groove joints are standard. Options include access doors, structural analysis and various liners.



TYPICAL CONFIGURATIONS

Straight wall or barrier

Provides a barrier between the noise source and receiver. Applications include: mechanical equipment, manufacturing facilities, transportation noise and industrial applications.





Acoustic plenum

HVAC acoustic plenums attenuate noise within a ducted fan system application. Plenums are typically large boxes connected to a fan with multiple ducts to aid in air distribution.



Acoustic enclosure

Acoustic enclosures can be used to reduce radiated noise from mechanical equipment. They can also be used for test cells, rooms, booths and air handler casings.

