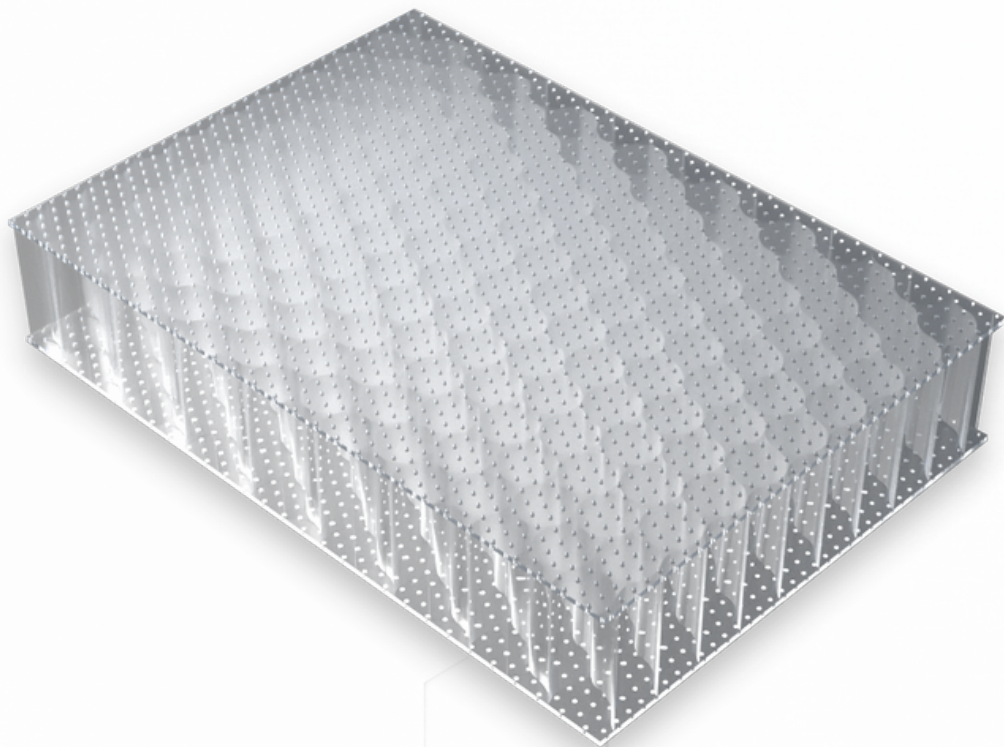




AIR-board® Acoustic

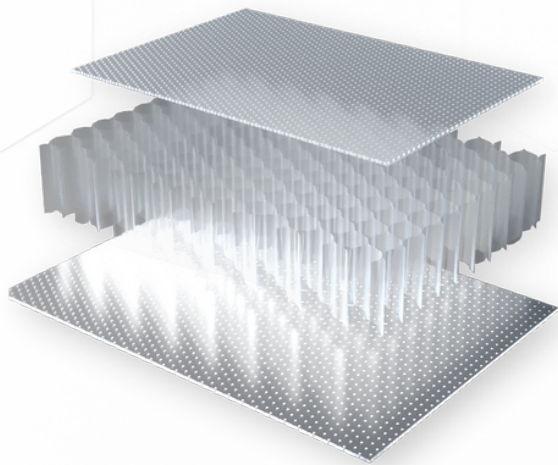


CLEAR CORE

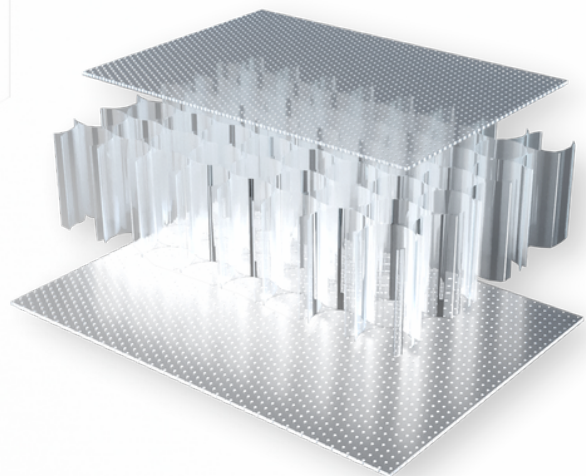
PRESENTATION & TECHNICAL SPECIFICATIONS

AIR-board® Acoustic is the only product available that is sound absorbing and translucent. It features a rigid transparent or black honeycomb core with micro-perforated PET-facing sheets. It has excellent sound absorption, unique optics, and functionality. Daylighting should not compromise the quality of room acoustics.

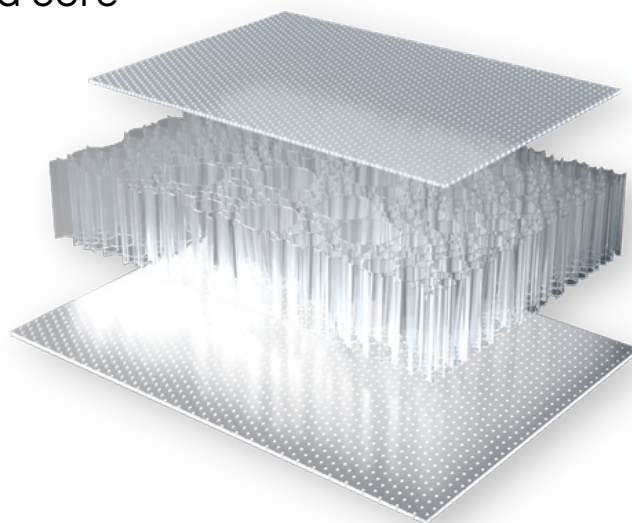
AIR-board® Acoustic is not intended for exterior applications.



standard core



big core



chaos core

Design composite offers a wide range of options for individual design in terms of color, surface and core structure.

In addition to the standard colors, we offer the following options:

Digital printing for indoor use: AIR-board® Acoustic printed (*)

* Requires Pantone Matching System (PMS) color number. PMS Colors are converted to translucent colors and will vary from the actual PMS color.

DIMENSIONS

FORMAT	LENGTH [MM/INCHES]	WIDTH [MM/INCHES]	THICKNESS [MM/INCHES]
Standard	1800/70.8 2500/98.4	1220/48 1220/48	19 & 25 / 3/4 & 1 19 & 25 / 3/4 & 1
Special Dimensions*/**			
AIR-board® Acoustic	max 3600/141.7	1220/48	max 30/1.18
big AIR-board® Acoustic	max 3020/118.8	1220/48	max 30/1.18
chaos AIR-board® Acoustic	max 3020/118.8	1220/48	max 30/1.18
Cut to size	2/-2 to 0.08/-0.08	1/-2 to 0.04/-0.08	0/-1 to 0/-0.04

*on request – minimum orders apply for special sizes

PHYSICAL PROPERTIES

COEFFICIENT OF THERMAL EXPANSION ACC. TO DIN 537522-A [1/K]
8 x 10 ⁵
SERVICE TEMPERATURE [°C/F]
-20 to +60 / -4 to 140

MECHANICAL PROPERTIES

THICKNESS [MM/INCHES]	AIR-BOARD® ACOUSTIC [KG/M2/LBS/SQFT]	BIG AIR-BOARD® ACOUSTIC [KG/M2/LBS/SQFT]	CHAOS AIR-BOARD® ACOUSTIC [KG/M2/LBS/SQFT]
19/0.75	3.6/0.74	3.9/0.8	3.75/0.77
25/1.0	4.0/0.82	4.5/0.92	4.25/0.87

*per 1m panel width

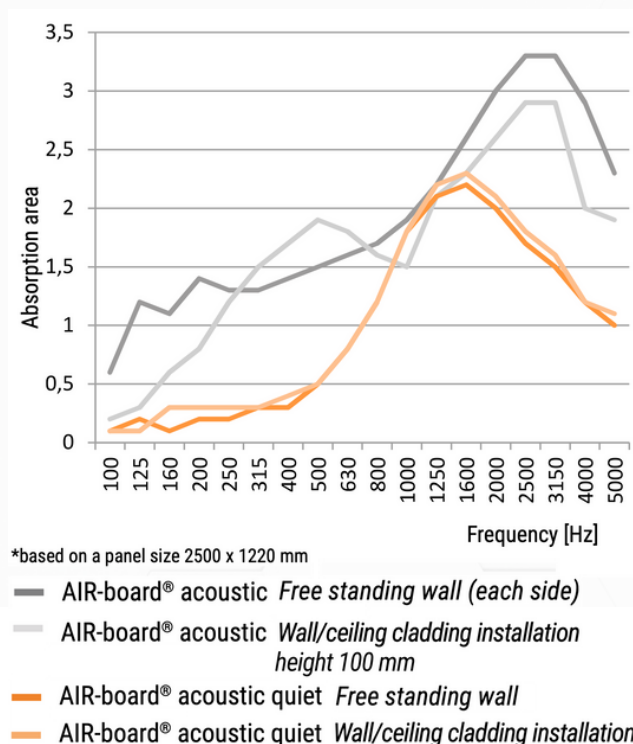
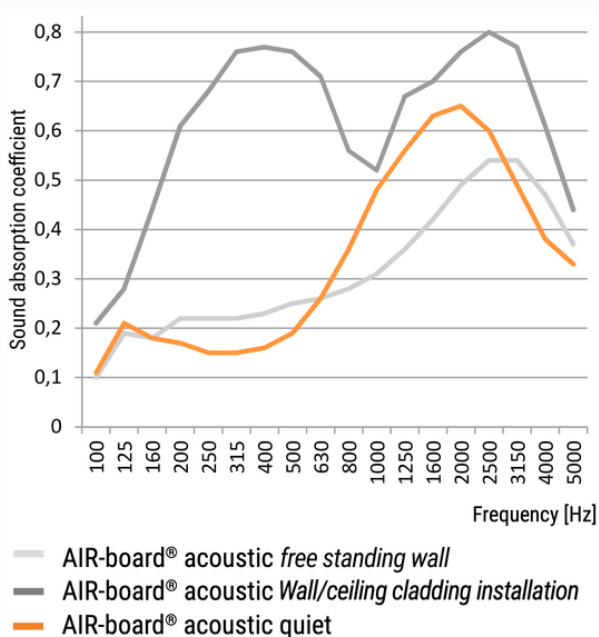
FIRE CLASSIFICATION

FIRE CLASSIFICATION	C2/CC2
ASTM D-2843 SMOKE DENSITY [%]	68.40%
ASTM D-635 BURNING RATE [INCHES]	0.49"
ASTM D-1929 SELF IGNITION TEMP. [OF]	790
ASTM E648-17/NFPA253 WATTS/CM2	>1.10
* ASTM E-84 FLAME SPREAD INDEX	50

* ASTM-E84 – 19a "Standard Method of Test for Surface Burning Characteristics of Building Materials".
The foregoing test procedure is comparable to UL 723, ANSI/NFPA No. 255, and UBC No. 8-1.

SOUND ABSORPTION

	ASTM C423 TYPE E-400 (19MM/ 3/4")	ASTM C423 TYPE E-400 (25MM/ 1")
Noise Reduction Coefficient (NRC)	0.75	0.80
Sound Absorption Average (SAA)	0.74	0.81



INFINITE POSSIBILITIES

We understand your goals, objectives and design intent

Our products provide a variety of benefits including sound absorption, light transmission and thermal insulation, while offering unlimited applications for indoor or outdoor design.

We service architects, designers, contractors and furniture dealers in the United States, Canada and the Caribbean.

Our products involve OEM's, architects, interior designers and are sold to specialty contractors, finish installers, and architectural mill workers.

We work hard, smart and we know exactly how our products and efforts integrate with the entire project. We emphasize integrity and accountability in everything we do. The result is something we all can be proud of.