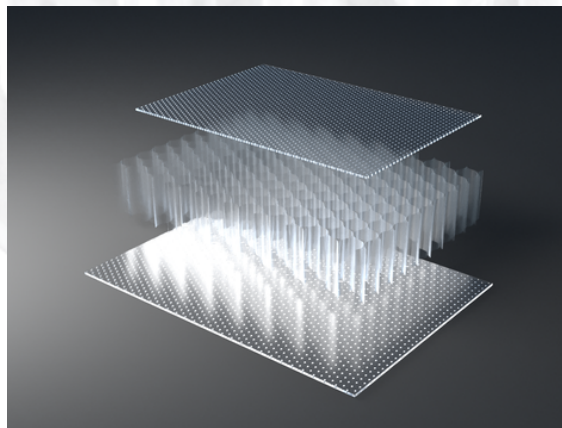


PRODUCT DESCRIPTION

AIR-board[®] acoustic is made with three polycarbonate core options and have PET facings with micro-perforations.

This one of a kind light transmitting honeycomb panel provides acoustical absorption, day-lighting and easy hardware integration for applications like sound absorbing clouds, baffles, panels, lighting and other applications where reflective surfaces are present.

NRC values up to 0.81.



COLOR

Clear, custom color options are available.

FACING SHEETS ON BOTH SIDES

PET antireflex perf. 1,8 x 1,8 mm perforations Ø 0,5 mm*

CORE

AIR-board[®] acoustic cell diameter 7 mm/0.27"

big AIR-board[®] acoustic cell diameter 12 mm/0.47"

chaos AIR-board[®] acoustic cell diameter 4/7/12 mm – 0.15" / 0.27" / 0.47"

DIMENSIONS

FORMAT	LENGTH [MM/INCHES]	WIDTH [MM/INCHES]	*THICKNESS [MM/INCHES]
Standard	2,500/98.4	1,220/48	19 & 25 / 0.75 & 0.98
Special Dimensions*			
AIR-board [®] acoustic big AIR-board [®] acoustic chaos AIR-board [®] acoustic	max. 3,600/141.7 max. 3,020/118.8 max. 3,020/118.8	max. 1,220/48 max. 1,220/48 max. 1,220/48	max. 30/1.18 max. 30/1.18 max. 30/1.18
Production/Cutting Tolerance	2/-2 to 0.08/-0.08	1/-2 to 0.04/-0.08	0/-1 to 0/-0.04

*On request – minimums or extended lead times may apply

PHYSICAL PROPERTIES

COEFFICIENT OF THERMAL EXPANSION ACC. TO DIN 537522-A [1/K]	SERVICE TEMPERATURE [C/F]	FACING SHEETS	* ESTIMATED LIGHT TRANSMISSION [%]
8 x 10 ⁻⁵	-20 to +60 / -4 to 140	PET anti-reflex perforated	61%

*estimated using standard thickness of 19 mm / 3/4"

MECHANICAL PROPERTIES

THICKNESS [MM/INCHES]	AIR-BOARD® ACOUSTIC [KG/M²/LBS/SQ ^{ft}]	BIG AIR-BOARD® ACOUSTIC [KG/M²/LBS/SQ ^{ft}]	CHAOS AIR-BOARD® ACOUSTIC [KG/M²/LBS/SQ ^{ft}]
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

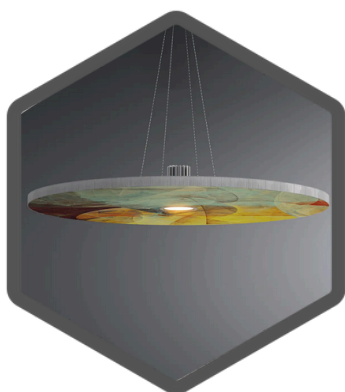
FIRE CLASSIFICATION

FIRE CLASSIFICATION	ASTM D-2843 SMOKE DENSITY [%]	ASTM D-635 BURNING RATE [INCHES]	ASTM D-1929 SELF IGNITION TEMP. [F]	UL 723 FLAME SPREAD INDEX	UL 723 SMOKE DEVELOPMENT
A/C1/CC1	61%	0.49"	790	10	80

SOUND ABSORPTION

TEST METHOD	REPORTED UNITS	AIR-BOARD ACOUSTIC 19MM/ 3/4"	AIR-BOARD ACOUSTIC 26MM/ 1"
Type E400 Mounting	NRC / SAA	0.75 / 0.74	0.80 / 0.81
Type A Mounting	NRC	0.30	0.35
Type F100 Mounting	NRC	0.55	0.60
Type K Mounting	NRC	0.25	0.30
Type JH MOD Mounting	Array-NRC	0.27	0.30
Type JV Mounting	Array-NRC	0.30	0.35

POPULAR APPLICATIONS



NOTES

All information and specifications contained herein are based on the most up-to-date information available and to the best of our knowledge. These specifications are subject to change at any time. A legally binding assurance of certain properties or the suitability of an individual type for a specific field or application cannot be inferred from these specifications. All information is provided without any obligation. No legal liability can or will be assumed.