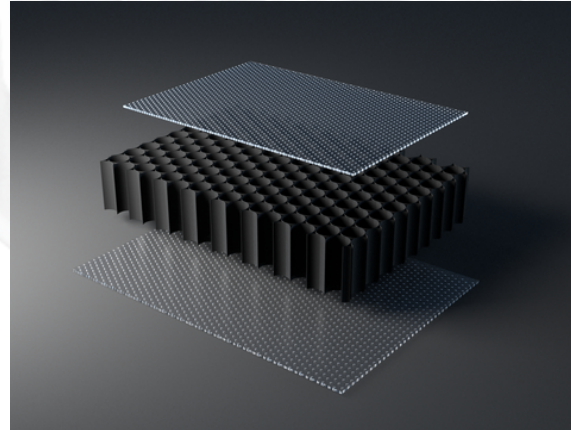


PRODUCT DESCRIPTION

black AIR-board® acoustic is made with three black 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

Black core, clear facings, custom facing color options are available.

FACING SHEETS ON BOTH SIDES

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

CORE

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

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

chaos black 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*			
black AIR-board® acoustic big black AIR-board® acoustic chaos black 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	-

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

MECHANICAL PROPERTIES

THICKNESS [MM/INCHES]	BLACK AIR-BOARD® ACOUSTIC [KG/M ² /LBS/SQ ^{ft}]	BIG BLACK AIR-BOARD® ACOUSTIC [KG/M ² /LBS/SQ ^{ft}]	CHAOS BLACK AIR-BOARD® ACOUSTIC [KG/M ² /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	BLACK AIR-BOARD ACOUSTIC 19MM/ 3/4"	BLACK 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.