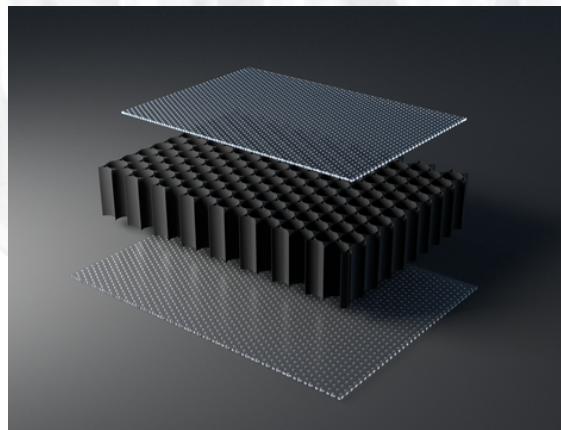


## PRODUCT DESCRIPTION

**black AIR-board® acoustic** is made with two black polycarbonate core options and has PET facings with micro-perforations.

This one-of-a-kind light-transmitting honeycomb panel provides acoustical absorption, daylighting, and easy hardware integration for applications such as sound-absorbing clouds, baffles, panels, lighting, and other areas 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"

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 chaos black AIR-board® acoustic	max. 3,600/141.7 max. 3,020/118.8	max. 1,220/48 max. 1,220/48	max. 30/1.18 max. 30/1.18
<b>Production/Cutting Tolerance</b>	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 [%]
$8 \times 10^{-5}$	-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/M²/LBS/SQ <sup>ft</sup> ]	CHAOS BLACK AIR-BOARD® ACOUSTIC [KG/M²/LBS/SQ <sup>ft</sup> ]
19/0.75	3.6 / 0.74	3.75 / 0.77
25/1.0	4.0 / 0.82	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.