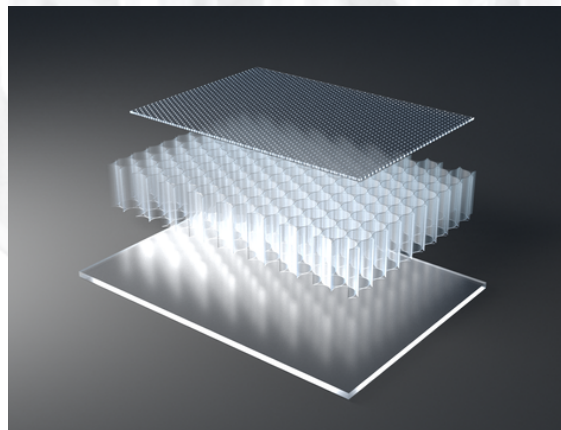


PRODUCT DESCRIPTION

AIR-board® acoustic quiet, it's all about the quiet.

AIR-board® acoustic quiet is made with two polycarbonate core options, a translucent micro-perforated polycarbonate facing sheet on one side and a sound-isolating non-perforated PMMA/Acrylic facings with 100% recycled content sheet on the other. The core is a rigid transparent or black honeycomb core. It has a noise reduction coefficient (NRC) of 0.35 and a sound isolation value of 28 db and excellent diffusion of natural and artificial light.



COLOR

Clear facings, clear and black core, custom facing color options are available.

FACING SHEETS

PET antireflex perf. 1,8 x 1,8 mm perforations Ø 0,5 mm*/2 mm PC clear glossy

CORE

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

chaos AIR-board® acoustic quiet 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 & 26 / 0.75 & 1.02
Special Dimensions*			
AIR-board® acoustic quiet chaos AIR-board® acoustic quiet	max. 3,000/118.8 max. 3,000/118.8	max. 1,220/48 max. 1,220/48	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 [%]
8×10^{-5}	-20 to +60 / -4 to 140	PET anti-reflex perforated	61%

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

MECHANICAL PROPERTIES

THICKNESS [MM/INCHES]	AIR-BOARD® ACOUSTIC QUIET [KG/M²/LBS/SQ ^{ft}]
19/0.75	3.6 / 0.74

*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 F100 Mounting	NRC	0.55	0.60
Type K Mounting	NRC	0.25	0.30
ASTM E90-09 (2016)	OITC/STC	20.00/26.00	21.00/26.00

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.