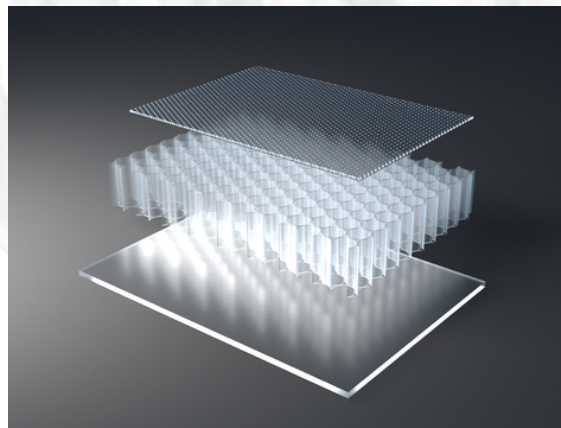


PRODUCT DESCRIPTION

AIR-board® acoustic quiet, its all about the quiet.

AIR-board® acoustic quiet is made with three 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"

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

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 big AIR-board® acoustic quiet chaos AIR-board® acoustic quiet | max. 3,000/118.8 max. 3,000/118.8 max. 3,000/118.8 | 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" 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.