

# AIR-board® acoustic



## PRODUCT DESCRIPTION

Facing sheet on both sides: PET antireflex perf. 1,8 x 1,8 mm perforations Ø 0,5 mm\*

Core: PC -CORE

- AIR-board® acoustic (cell diameter 7 mm)
- big AIR-board® acoustic (cell diameter 12 mm)
- chaos AIR-board® acoustic (cell diameter 4/7/12 mm)

\*alternatives: reflective, coated or printed



Our unique bonding technology enables us to combine a rigid translucent honeycomb core with transparent thermoplastic top sheets resulting in a panel with exceptional optical features.

The translucent AIR-board® acoustic panel solves complex tasks. The sandwich element consisting of micro-perforated translucent outer layers and a colourless honeycomb core transmits up to 60% of the ambient light, is a highly effective sound absorber, is characterized by a very low weight with high rigidity and is also flame retardant.

## PROPERTIES

- sound-absorbent up to 70%
- innovative translucent optics
- high light transmission with optimum privacy
- low weight
- easy processing
- available with a range of mounting systems

## DIMENSIONS

Format	Length [mm]	Width [mm]	Thickness [mm]
Standard	2500	1220	19/25
Special dimensions on request			
AIR-board® acoustic	max. 3600	max. 1220	max. 30
big/chaos AIR-board® ac.	max. 3020	max. 1220	max. 30

Tolerances	Length [mm]	Width [mm]	Thickness [mm]
Cut to size	+2/-2	+1/-2	+0/-1

## GENERAL PHYSICAL PROPERTIES

Coefficient of thermal expansion acc. DIN 53752-A	Service temperature	Fire class	Light transmission	Weight per unit area
[1/K]	[°C]	EN 13501	IEC Norm 50 (845)	[kg/m <sup>2</sup> ]
8 x 10 <sup>-5</sup>	-20 to +60	B s1 d0	ca. 60%	3,6

## APPLICATIONS

free standing wall | wall covering/suspended ceiling | acoustic image by digital printing and light elements | customized application according to our statement **design your composite.**

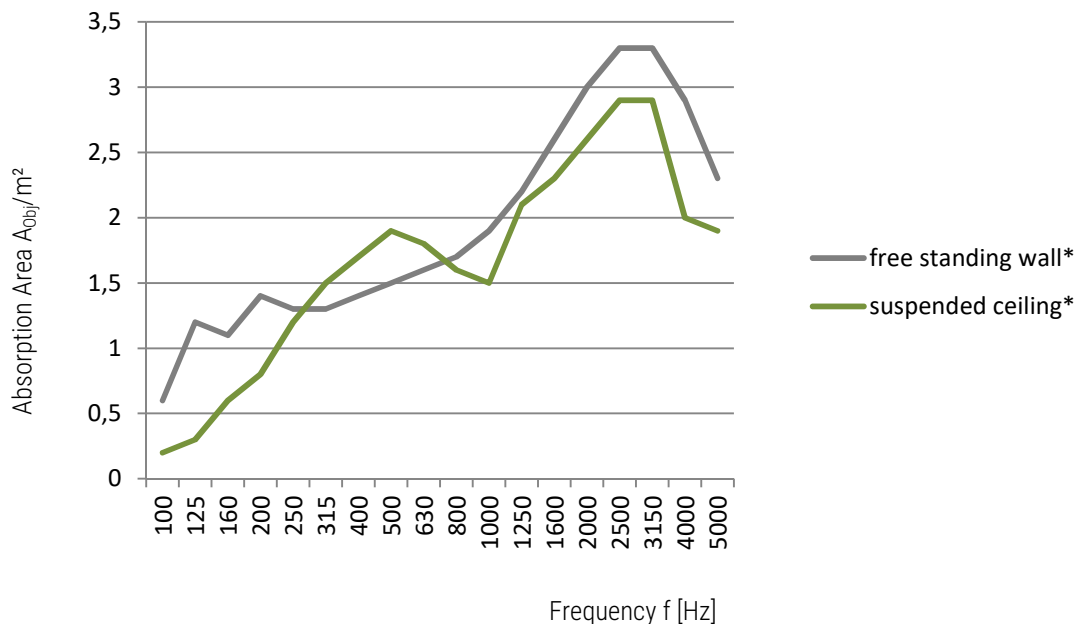
## CLEANING

The protective foil should be removed after installation is complete. The panels can be cleaned with warm soapy water or a 50% isopropanol solution and a soft lint free cloth. Dust can be removed with antistatic detergent. Cleaning with a dry cloth may lead to surface scratches.

## MEASURED VALUES

	Free standing wall	Wall coverings/suspended ceilings	
		Height 100 mm	Height 200 mm
Assesed sound absorption coefficient $\alpha_w$	0,30	0,65	0,70
Noise Reduction Coefficient NRC	0,30	0,65	0,70
Sound Absorption Average SAA	0,32	0,65	0,69
Sound absorption class	D	C	C

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\*based on 2500 x 1220 mm element size

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