

black 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 black

- AIR-board® acoustic (cell diameter 7 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 | | | |
| black AIR-board® acoustic | max. 3600 | max. 1220 | max. 30 |
| black chaos AIR-board® acoustic | 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 ²] |
| 8 x 10 ⁻⁵ | -20 to +60 | B s1 d0 | ca. 60% | 3,6 |

APPLICATIONS

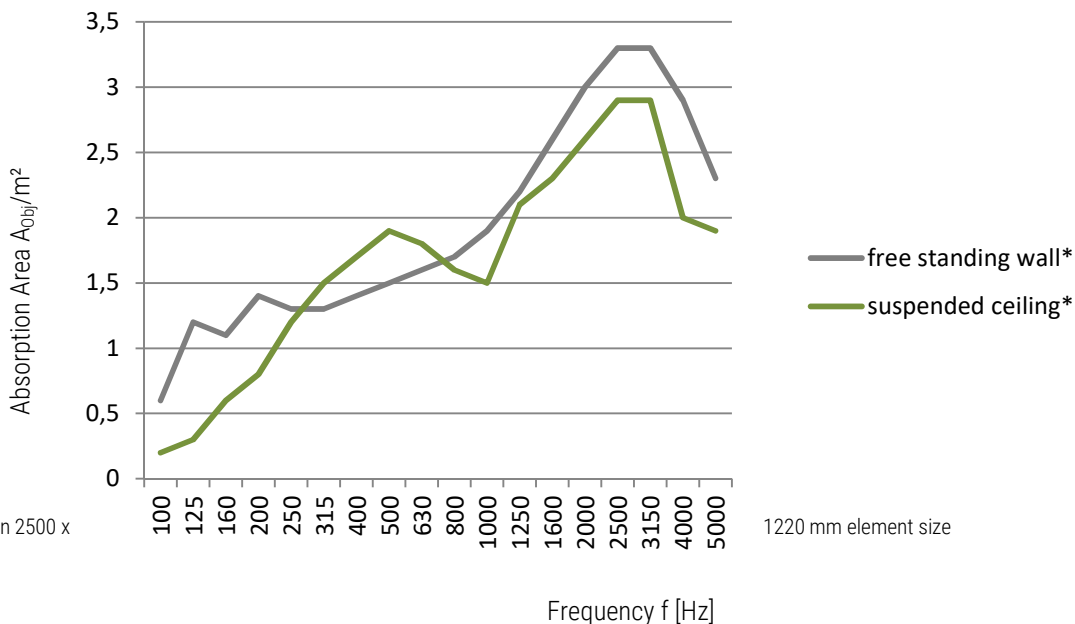
free standing wall | wall covering/suspended ceiling | acoustic image by digital printing and light elements | customized application according to our statement  design your composite.

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 α_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 |



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.