

Acoustic Decor Panels

Affordable acoustic solutions made of nonwoven and foam

Focussed working, relaxed communication!

The best room acoustics for modern buildings – also optimal for subsequent installation

Modern architecture combines the materials concrete and glass with a simple design and a reduction to the most essential. But the beautiful aesthetics come with a disadvantage: The reverberant surfaces generate unpleasant room acoustics with long reverberation and pronounced propagation of sound waves.

The acoustics solutions using decor panels from audiofoam effectively combine sound insulation and aesthetics. The sound waves can penetrate the open cell structure of the melamine resin foam instead of being reflected into the room.

The light-weight design makes installation extremely easy! The panels are glued so that no separate substructure is required. Subsequent refitting in high rooms of old buildings is also possible at any time, neatly and without difficulty.

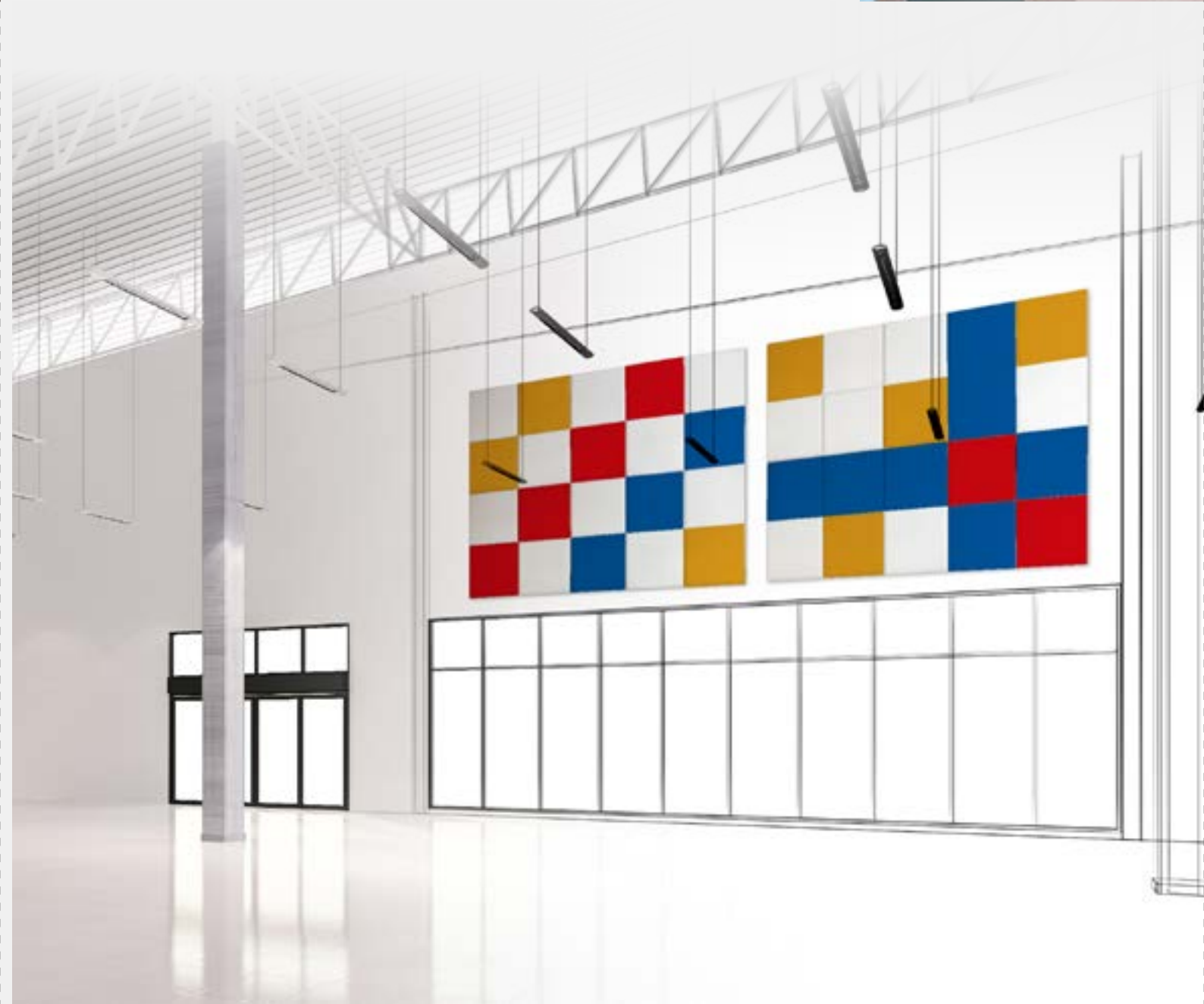


Efficient sound insulation for large rooms – individually adaptable to the respective situation

The choice of the individual acoustic solution must always be based on the utilization of the room. Be it in open-plan offices, in multi-purpose halls or in the gymnasium of a school: The acoustic decor panels are the ideal solution for optimizing the acoustics, controlling the ambient sound in a room and for improving noise levels.

This is not only nice to hear, but also looks good: The decor panels are used in various thicknesses for different frequency ranges. Thanks to the variety of available shapes and colours, there are virtually no limits to design freedom.

Aside from the basic models in round or angular shape, the decor panels can also be delivered in any special shapes and colours, while the foam version comes with or without beveling. All RAL and NCS colours are available to create colourful design highlights or produce connections between areas.



Innovative acoustic decor panels made of nonwoven – high flexibility, easy handling

Functionality and ruggedness plus the best value for money

The special blend of polyester fibres combined with thermal bevelling on both sides offers not only efficient sound absorption, but also a particularly robust surface. This helps prevent penetration of dust and makes the material easy to clean.

Work with the right materials to ensure effortless and quick installation: The acoustic decor panels made of nonwoven are glue-bonded on supporting ceilings and walls – an additional substructure is not required.

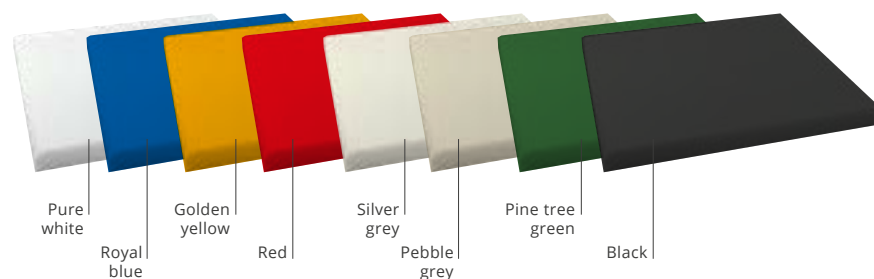
Easy handling thanks to their high flexibility: They are easy to manipulate without the risk of any mechanical damage. The nonwoven materials are also perfect for subsequent acoustic upgrades.



Two products – one solution for optimized room acoustics

Characteristics of acoustic decor panels made of foam

- Excellent sound absorption thanks to melamine foam
- Different thicknesses can be implemented
- Basic models in round or angular shape
- With or without circumferential bevelling
- Uncomplicated gluing of the panels without substructure
- Easy handling thanks to their low weight
- Subsequent installation, neat and effortless
- Any special shapes are possible to meet the customer's demands
- Special colour based on RAL and NCS colours
- Fire protection class B1



Absorption levels of audiofoam acoustic decor panels – foam

	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
615 x 615 x 40 mm	0,12	0,44	0,87	0,96	0,97	0,97
615 x 615 x 60 mm	0,19	0,73	1,01	1,10	1,04	1,05
615 x 615 x 80 mm	0,31	1,04	1,19	1,18	1,08	1,05

Characteristics of acoustic decor panels – nonwoven

- Best sound absorption already for 40 mm thickness
- High dimensional accuracy also in changing room climate
- Ruggedness and compressive strength thanks to thermal bevelling
- Protection against mechanical impact thanks to flexibility
- Easy-to-clean with a moist cloth or a vacuum cleaner
- Can be refitted without substructure
- Free of vaporising gases, 100 % polyester fibres
- 100 % recyclable
- Available in white (without bevelling)
- Fire protection class B1



Absorption levels of audiofoam acoustic decor panels – nonwoven

	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
615 x 615 x 40 mm	0,12	0,44	0,87	0,96	0,97	0,97

Acoustic nonwoven and decor panels – ideal for

Kindergartens, schools and sport facilities

Open-plan offices, co-working areas

Call centres and operations centres

Public buildings

Multi-purpose halls, exhibition halls

Modern architecture using concrete and glass

