



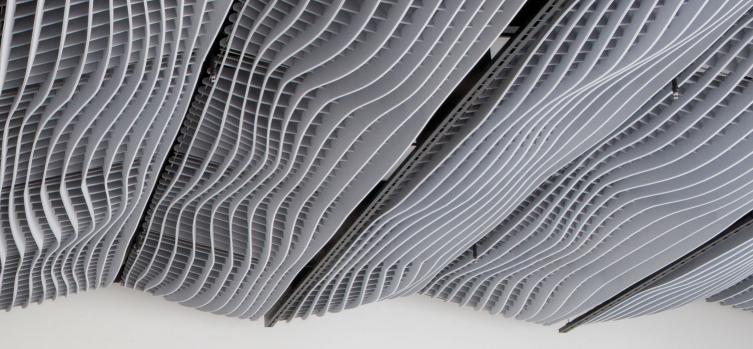
Basotect®

a thoroughly convincing choice

Never before has a room acoustic material afforded users such versatility and creativity, because Basotect® can be easily worked. And since it contains no fibers and is very elastic, Basotect® is extremely easy to manipulate into the desired shape – be it with die-cut, router or blade.

The foam can also be printed, coated, or clad with special paints, varnishes, or other substances without losing its very good sound absorption capacity. Sections of Basotect® are also easy to adhere using many commercially available adhesives.

And Basotect® can do so much more...



- High sound absorption capacity
- Easy to work with
- Design freedom
- Low flammability without additional flame retardants
- Low weight (~ 9 kg/m³)
- Combines dimensional stability and flexibility
- No fibers
- High light reflectance
- High color stability
- Resistant to static charging

What is the right type?

Basotect® G+ (light grey)

because of its color, dirt is less noticeable and is therefore ideally suited to applications within construction and industry.

Basotect® B (white)

with its high light reflectance and color stability, is specifically used for visible applications in interiors.

One foam – countless possibilities



Offices



Music and media



Public buildings



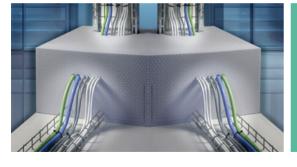
Sport and



Hotels and restaurants



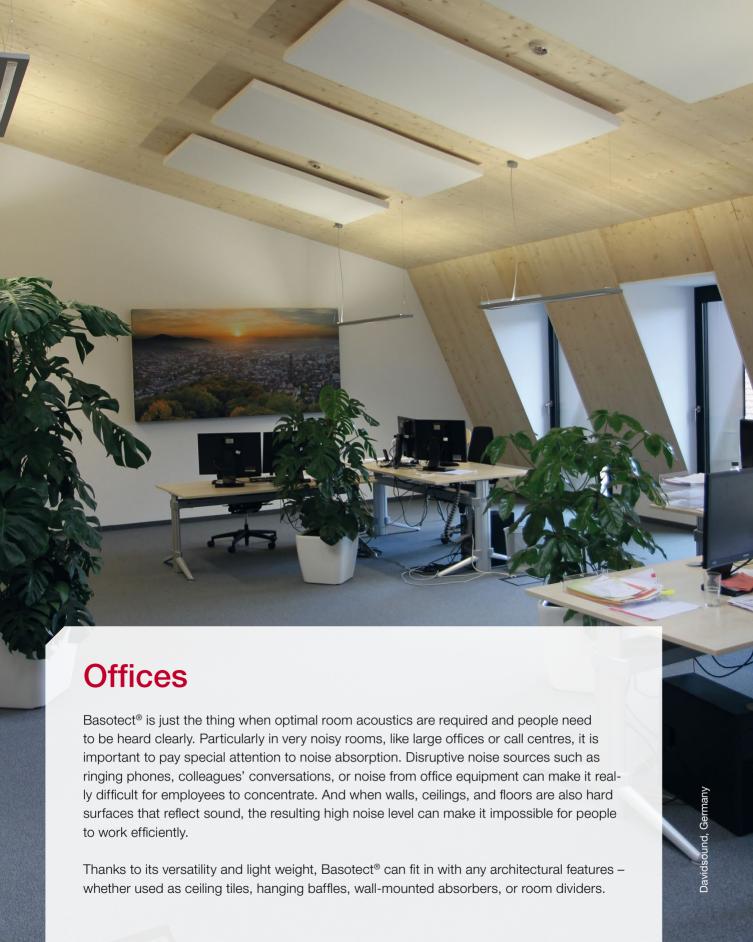
Education



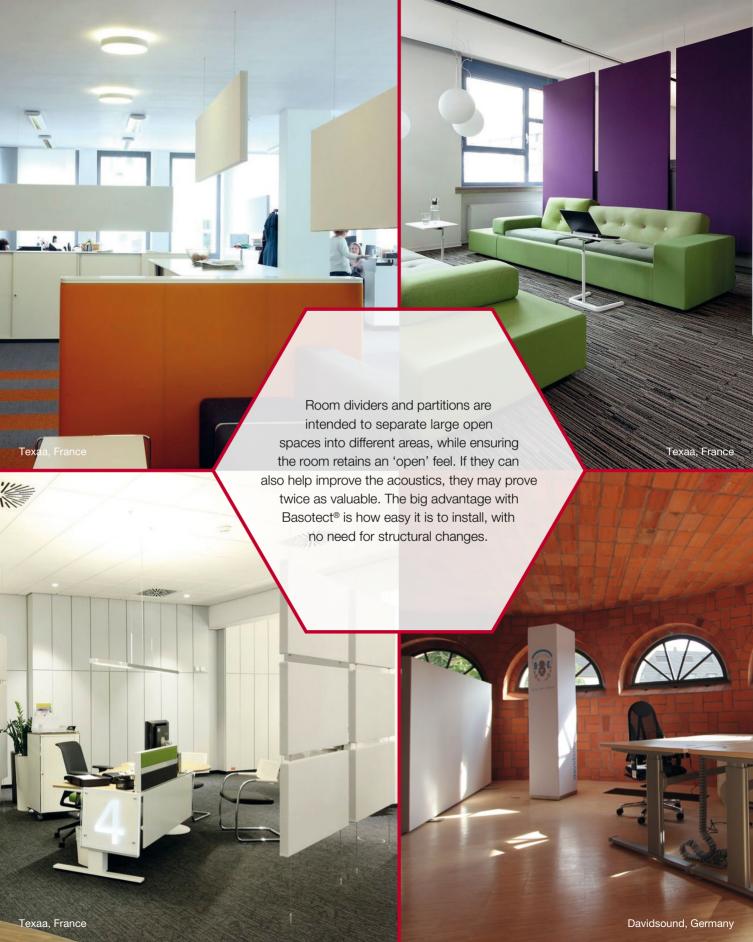
Manufacturing and Industry



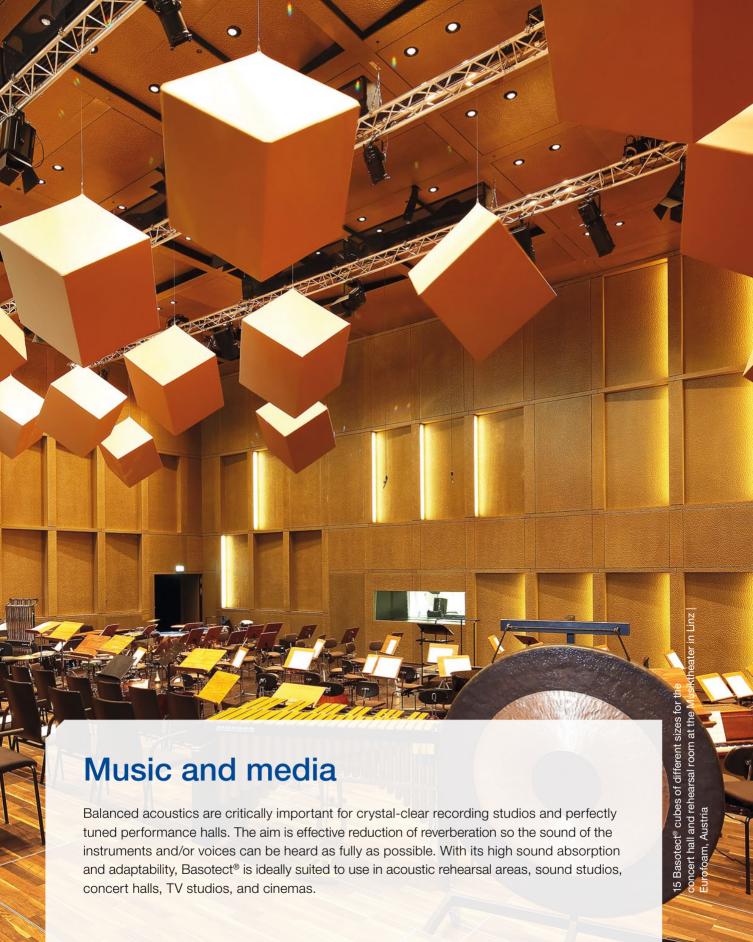
Art

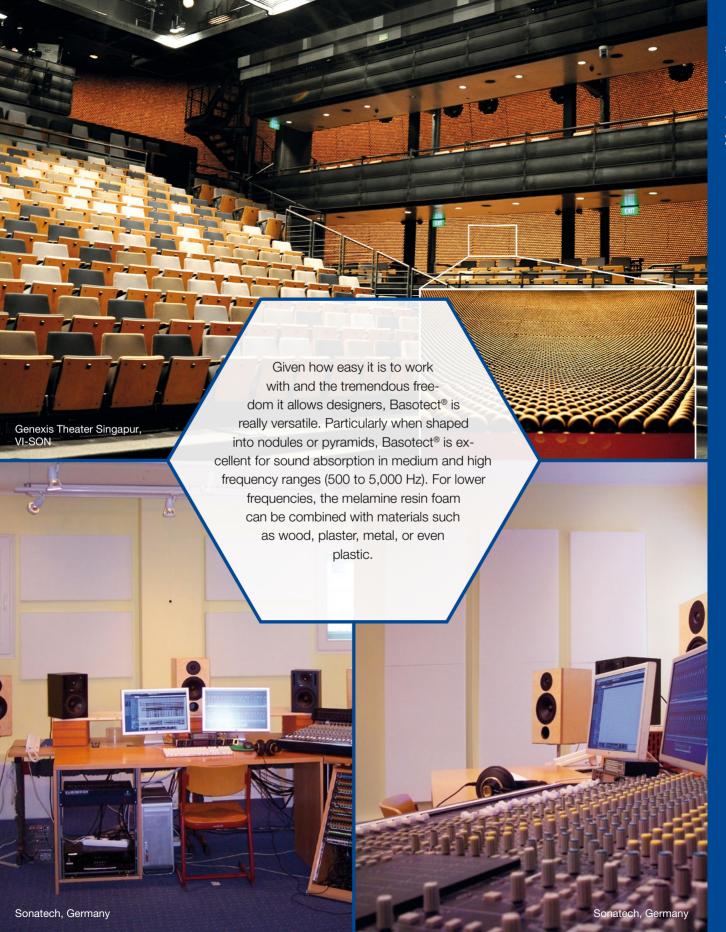






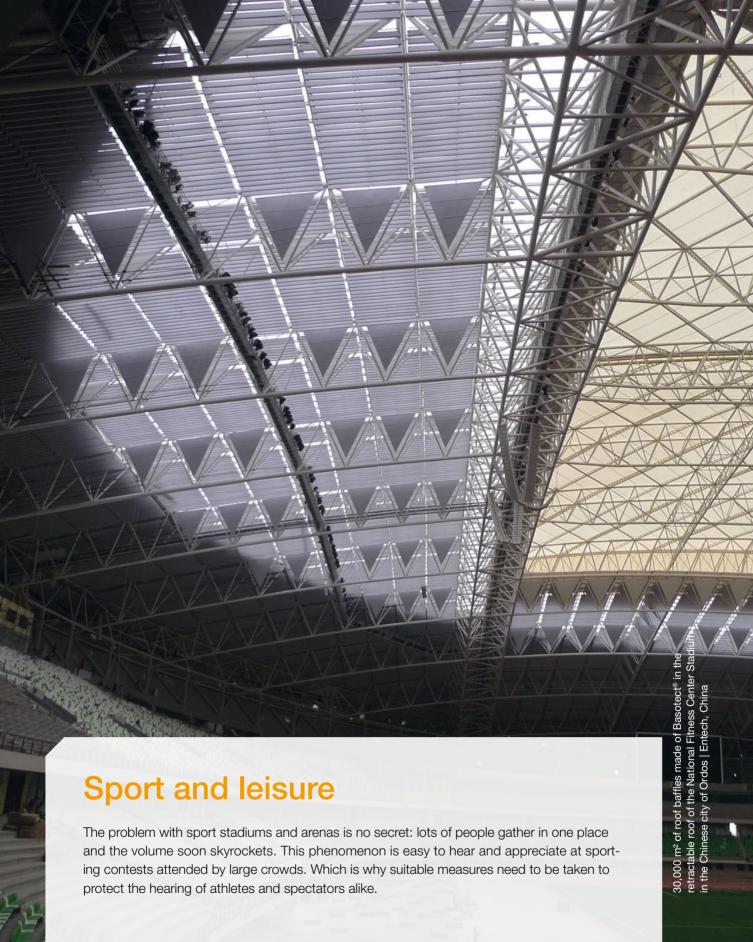


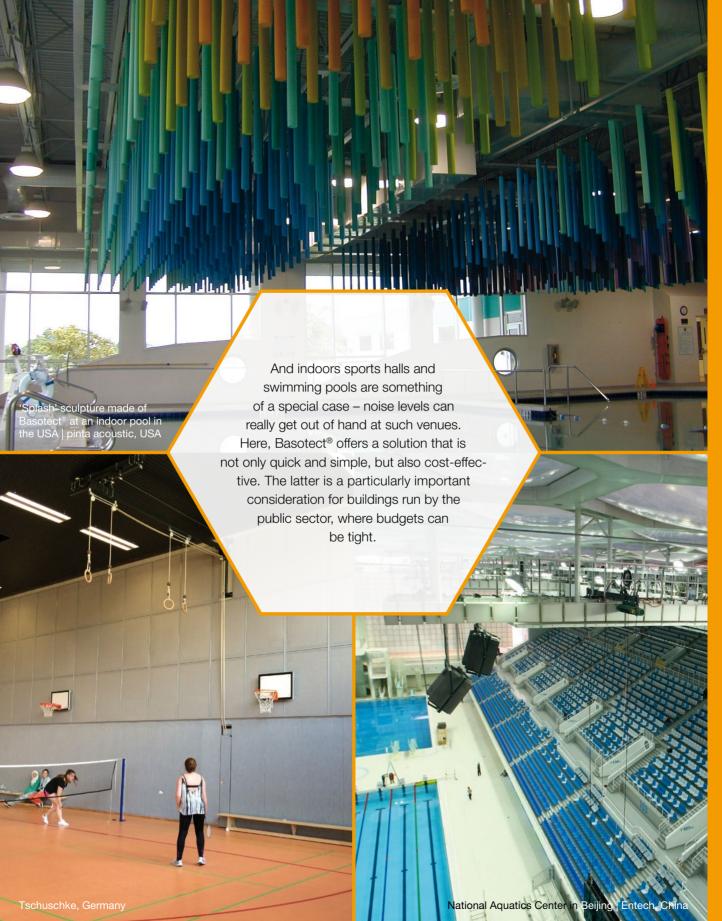


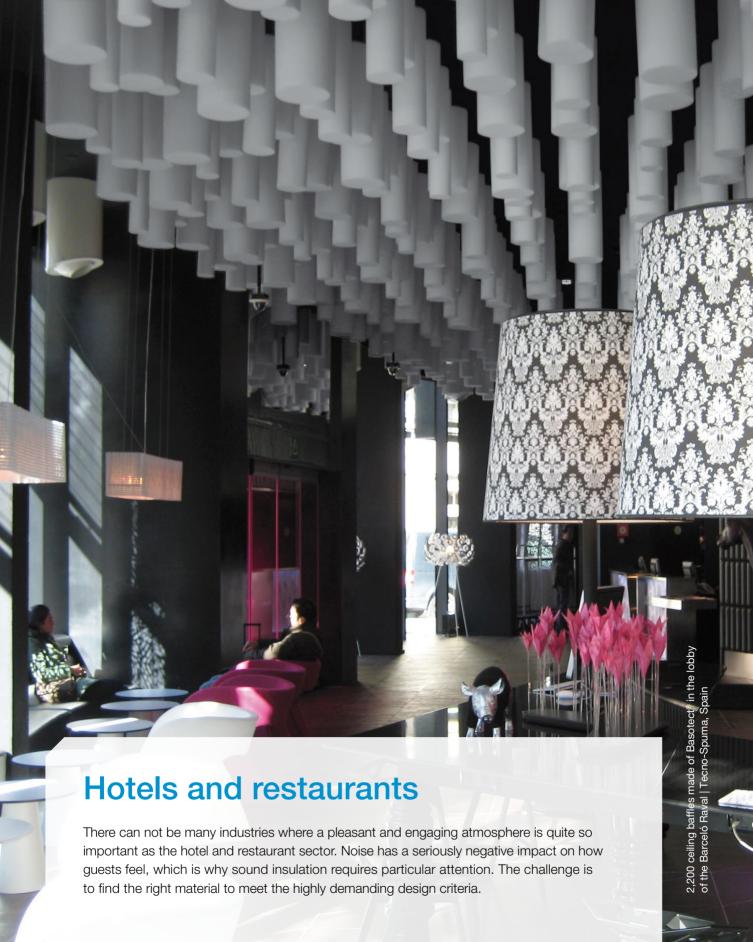




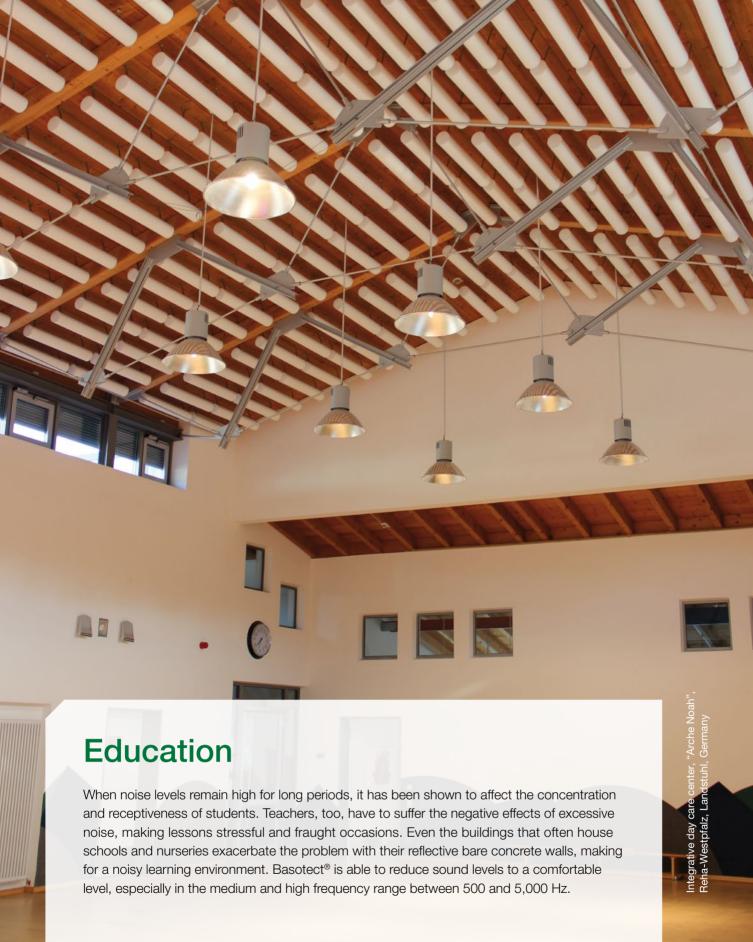
























Technical information

Basotect® offers excellent sound absorption capabilities in the medium and high frequency range. At lower frequencies of 100 to 125 Hz, acoustic optimizations can be achieved using an additional heavy layer. Alternatively, it is also possible to attach the absorbers at a pre-defined spacing from the wall.

Properties	Standards	Units	Values
Density (Average value)	EN ISO 845	kg/m³	9+/-1.5
Compressive strength (Average value)	EN ISO 3386-1	kPa	> 9
Tensile strength (Average value)	EN ISO 1798	kPa	> 130
Elongation at break (Average value)	EN ISO 1798	%	> 21
Fire behavior			
- Germany	DIN 4102-1		B1
- Europa	EN 13501-1		B/C
- USA	ASTM E84		Class A

Physical properties of Basotect® G+



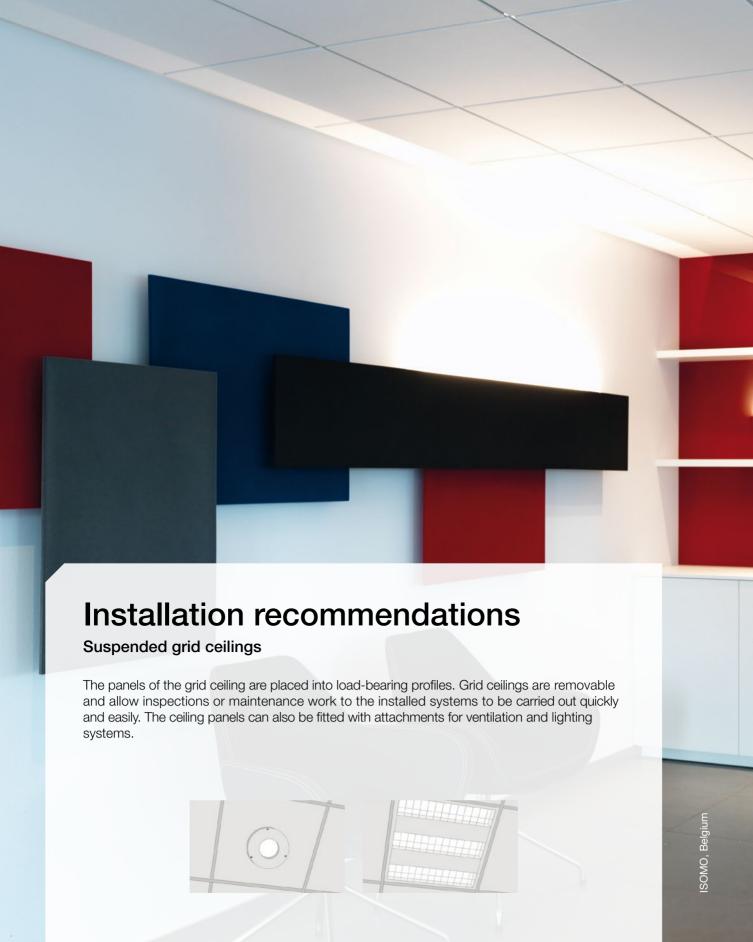
Degree of sound absorption of Basotect® G+ as a function of the thickness, according to DIN EN ISO 354 (reverberation room)

Basotect® G+ thickness (mm)	Individual value $\alpha_{_{ m W}}^{\star}$	Sound absorption class*	Noise Reduction Coefficient NRC**
25	0.50 (M/H)	D	0.60
40	0.65 (M,H)	С	0.75
50	0.80 (M,H)	В	0.85
60	0.95		0.90

Value of sound absorption of Basotect® G+ as a function of the thickness, according to

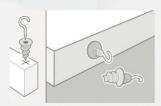
^{*} DIN EN ISO 11654

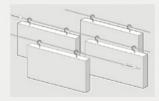
^{**} ASTM C 423

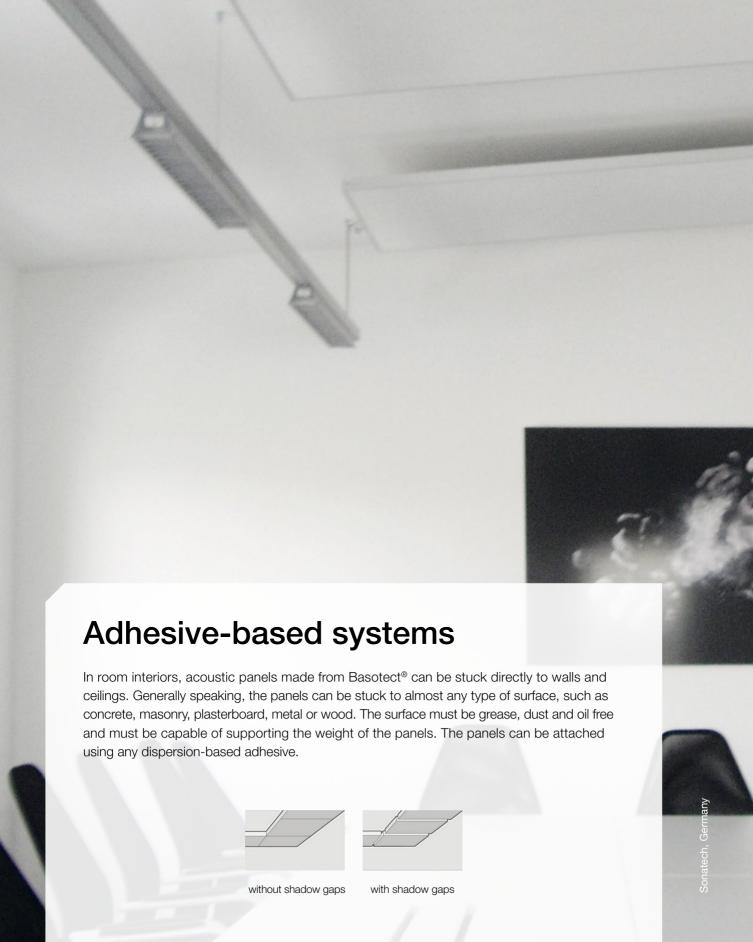


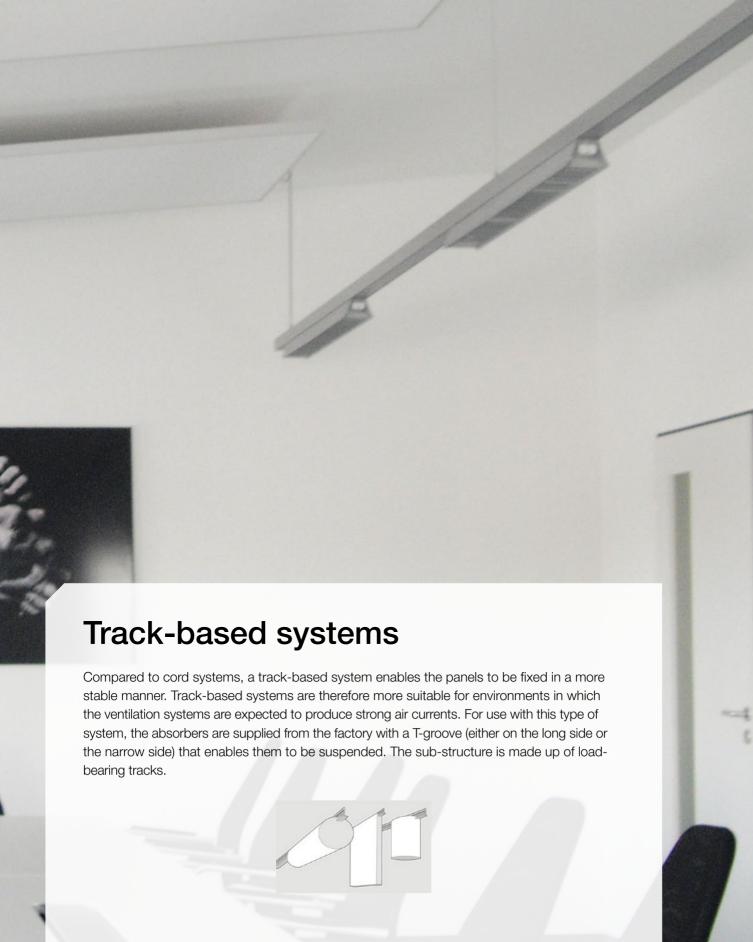


This highly flexible type of installation is recommended if the use of tiles adhered to the ceiling is not possible. This could be due to the ceiling being difficult to access or built-up with facility equipment. Another reason would be to position the absorber at close proximity to the source of the sound or the area to be silenced. When suspended vertically, Basotect® can be attached using conventional spiral anchors or plasterboard fixings. When suspended horizontally, steel cords with the corresponding tensioners and clips are suitable.











Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed. (August 2017)

= registered trademark of BAS

Additional information on our products, product properties and applications:

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