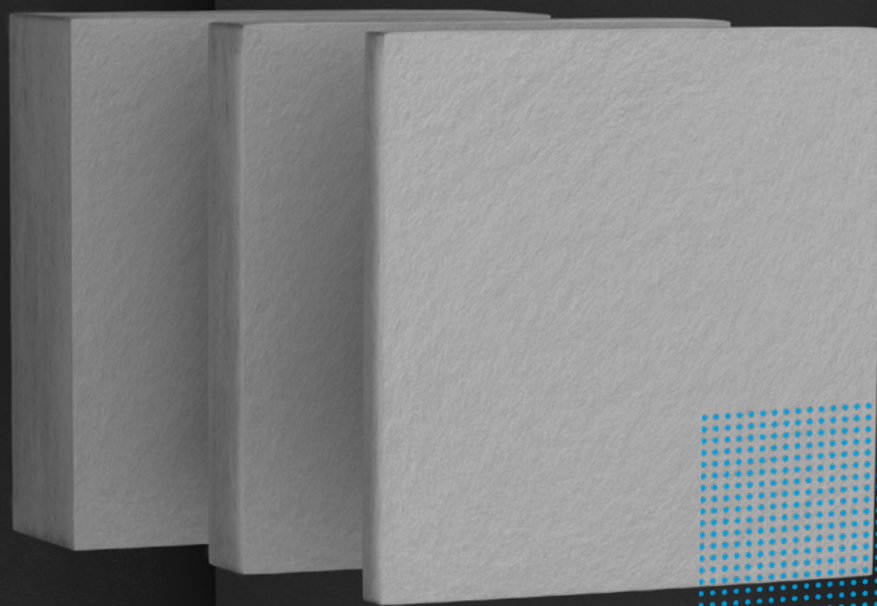


bluefiber®
smart acoustic technology



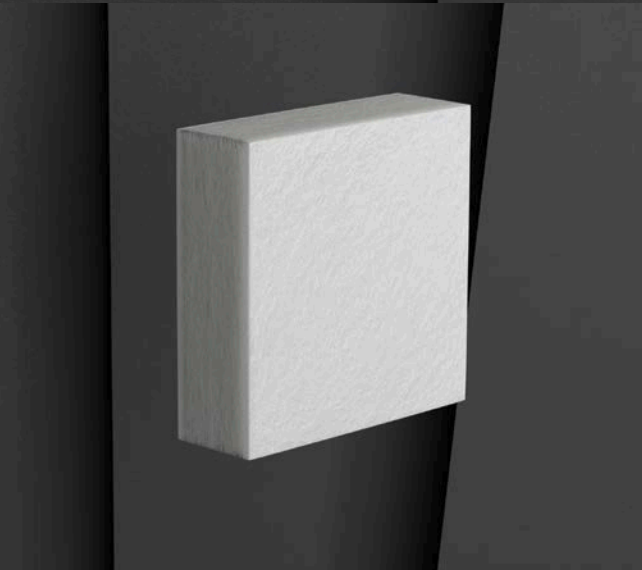
bluefiber tec based



smart acoustic pads

The perfect all-rounder with polyester-based high-tech in every fiber – for a broad variety of applications.

The all-round solution



smart acoustic pads

Lightweight yet stable
for your project

bluefiber smart acoustic pads not only feature excellent acoustic performance, they are also ultra lightweight yet dimensionally stable. This combination makes the materials veritable all-rounders. smart acoustic pads are suitable for a wide range of applications – also for your project.

Suitable for e.g.:

ceiling solutions

suspended ceilings

applications in frames

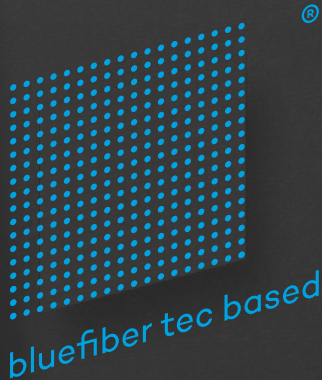
...

The ideal solution for your application

In the range of our smart acoustic products, pads fill the application gap between panels and wool. Based on many years of experience working with polyester, we created a product that is characterized by optimum acoustic performance as well as a certain degree of rigidity, even with low material use.

bluefiber tec based signifies quality – you have our word

bluefiber combines safety, quality, and above all innovative technology. This smart acoustic technology is not only the basis for bluefiber products, it is also a seal of quality for acoustics solutions made from it. Choose quality you can build on.







A multi-talent for ideal acoustics

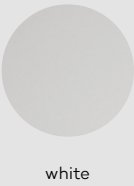
smart acoustic kit

For your perfect pad

Discover our smart acoustic pads in thicknesses of 0.5", 1" und 2". With our smart acoustic kit all application options are open to you: As ceiling solutions, suspended ceilings, or in frames – bluefiber pads are your perfect all-rounder!

Thickness	2"	1"	0.5"
			
Form of delivery	Foil bag		
			
	4' x 8'		

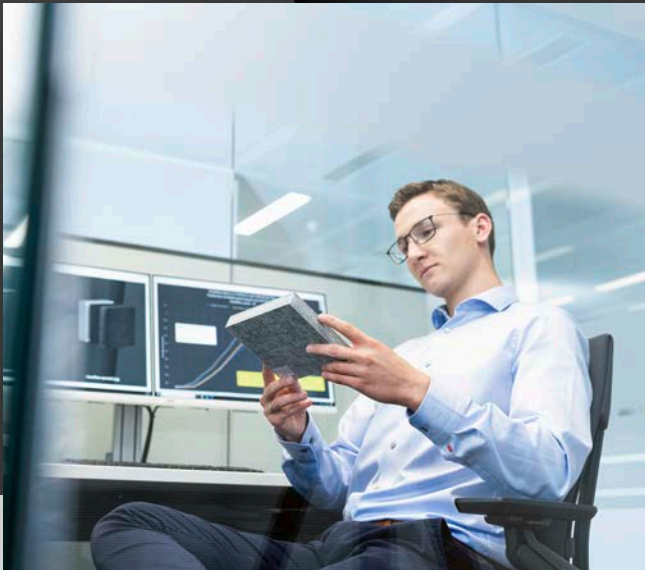
Color versions



white

 This product is only available in the USA.

The right solution for your project



smart acoustic features

Properties that will win you over

You are looking for an acoustically efficient product? You want a product that ideally combines sound absorption and mechanical stability at very low weight and efficient material use? bluefiber pads offer all functionalities you need.

Sound absorption

bluefiber panels meet the highest requirements with regard to sound absorption. Owing to their thickness and its high degree of open porosity, a wide frequency range can be optimized.

Visible applications

In visible applications, bluefiber pads can be installed in a visually appealing way without surface treatment. The user can also customize the look with additional frames or coverings.


Ultra lightweight

bluefiber pads require reduced use of fibers, yet they are inherently rigid. This makes them a perfect alternative to conventional solutions, while conserving valuable.


Stability

bluefiber pads offer mechanical stability at comparatively low weight. The optimal relation of mass and stability ideally meets your requirements for selected applications.


Only the best properties combined




sound-absorbing




flame-resistant




recyclable



moisture-resistant



gentle on the skin



low-emission

Ready for action with every fiber



smart acoustic applications

Strong in application & ready to use

You want to implement your idea for an acoustics project? bluefiber products are perfectly well thought out – whether you plan to use them for interior acoustics, the construction industry or in technical insulations. Utilizing smart acoustic technology, bluefiber pads are suited for a variety of applications.

Shhh! Time for some quiet!

Wherever you want to apply the smart acoustic pads: bluefiber products always offer efficient sound absorption. bluefiber pads are also light as a feather and flame-resistant – this we guarantee through our unique technology, our certifications and decades of experience.

Optimized acoustics – sustainable and recyclable!

With bluefiber you are choosing acoustics products, which offer performance as well as sustainability. In manufacturing our products we follow the cradle-to-cradle principle by ensuring that our material design is as waste-free as possible through closed technical cycles. Made from 100 % polyester, our textile fiber panels are fully recyclable even after many years of use.

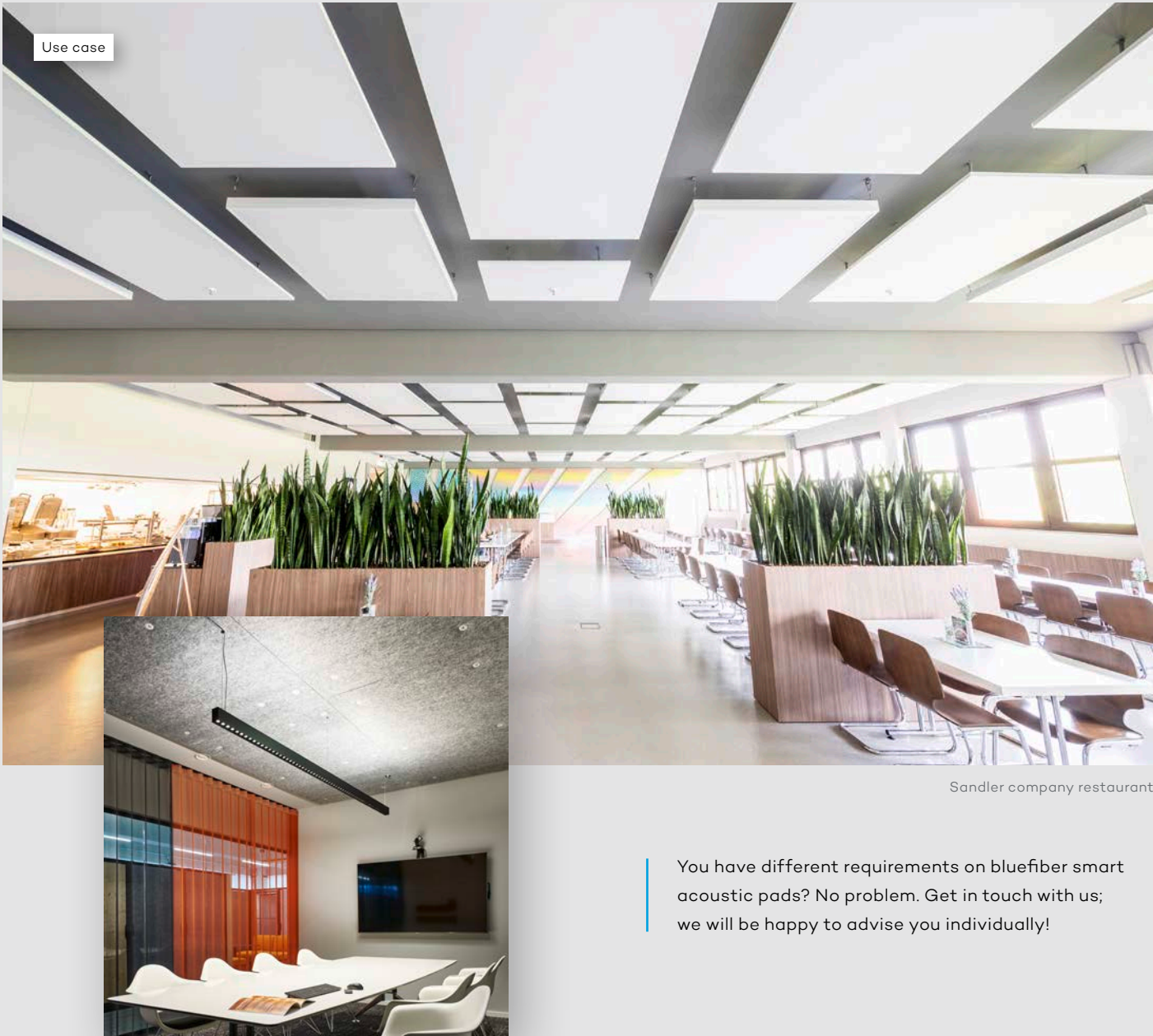
We use recycled fibers produced from discarded PET bottles and reprocess residual raw materials in a sustainably structured manufacturing process. This way, the use of new resources is kept to a minimum. Free from harmful substances and produced without chemical additives, bluefiber materials do not pose health risks to workers and users alike.

Just right for your application

smart acoustic examples

Different versions for every application

The different version of our smart acoustic pads recommend themselves to different applications. The product's great advantage is its mechanical stability at a low weight. No matter which type of project you want to implement: The bluefiber product range includes just the right material.



Use case

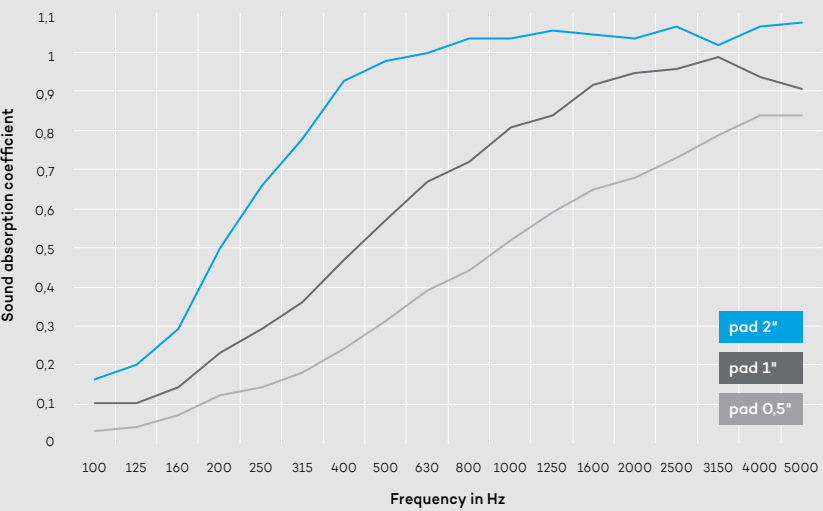
Sandler company restaurant

LIST Group headquarters

You have different requirements on bluefiber smart acoustic pads? No problem. Get in touch with us; we will be happy to advise you individually!

Acoustically highly efficient

bluefiber pads tested



pad white 0,5" without air gap:
Type A mounting
 α_w -Wert: 0,35 (H), NRC¹⁾²⁾: 0,40, SAA²⁾: 0,41

pad white 1" without air gap:
Type A mounting
 α_w -Wert: 0,55 (MH), NRC¹⁾²⁾: 0,65, SAA²⁾: 0,64

pad white 2" without air gap:
Type A mounting
 α_w -Wert: 0,95, NRC¹⁾²⁾: 0,90, SAA²⁾: 0,92

Structure:
0,5" pad, light grey curve: no distance to the testing room floor, sides closed, overall structure: 0,5"
1" pad, grey curve: no distance to the testing room floor, sides closed, overall structure: 1"
2" pad, blue curve: no distance to the testing room floor, sides closed, overall structure: 2"

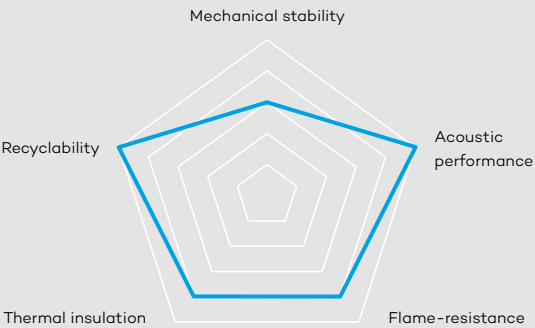
In addition to increased mechanical stability, the sound absorption performance speaks for itself. bluefiber pads cover a wide frequency range, being further classed as an A-absorber.

Use case

bluefiber pad / ceiling solution

Ceiling panel, NRC¹⁾²⁾: 0,90
(Type A mounting)

Owing to their low weight and dimensional stability, our smart acoustic pads are very well suited to ceiling applications. With appropriate fastening, the highly sound absorbing products can also be used as ceiling panels of baffles.



¹⁾ based on sound absorption coefficients α_s of ISO 354 in the 1/3-octave band frequencies 250 Hz, 500 Hz, 1000 Hz and 2000 Hz
²⁾ calculated acc. to ASTM C423, but with sound absorption coefficients α_s acc. to ISO 354

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