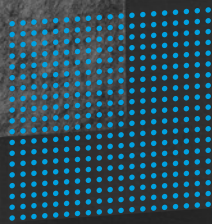
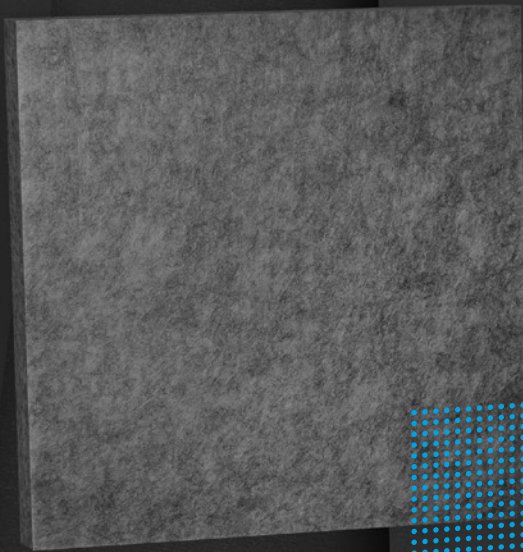


bluefiber

smart acoustic technology



bluefiber tec based



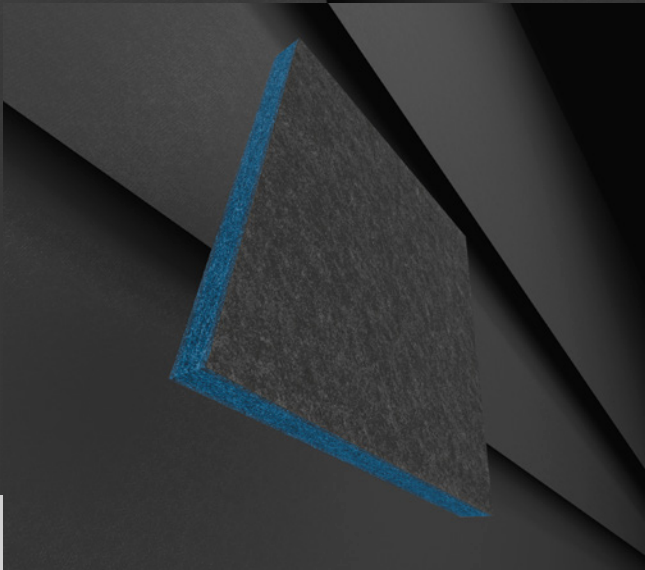
smart acoustic technology

Polyester-based high-tech made in Germany.
Ready for action with every fiber – for the
implementation of your idea!

bluefiber.sandler.de

a brand of **sandler**

Ready for action with every fiber



smart acoustic products

Solutions for the implementation of your idea

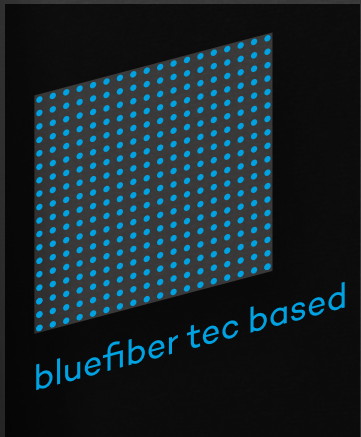
Panels, pads, wool, mat, as well as our bluefiber custom-made products are acoustically highly efficient, lightweight, resilient, abrasion-resistant, particularly impact-resistant, and flame-resistant.

Did you hear that? No? That's it!

The bluefiber brand represents Sandler acoustics solutions with true innovation. Our smart acoustic products stand for responsibility and transparency in all areas. Well thought out, ready to use, and durable: With bluefiber you are making a smart choice.

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.



For a healthy environment



smart acoustic polyester

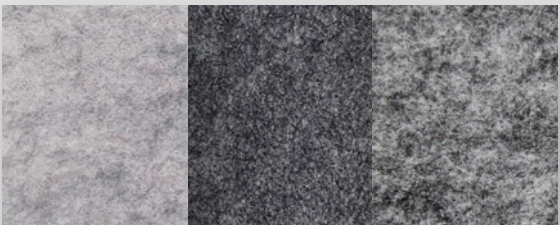
We take responsibility

bluefiber products are 100 % single-polymer and, thanks to their material purity, offer the technical possibility of being recycled within suitable recycling processes. The high-tech materials are tested according to DIN EN 16516 and meet high standards for low-emission materials. You wear it on your skin every day – we process it in our product: polyester.

High-performance sound insulation in a lightweight design

smart acoustic polyester impresses with properties that go far beyond effective sound absorption. Its open-pore structure ensures high acoustic performance, without additional chemical additives. At the same time, the material is lightweight and mechanically stable. After use, the polyester nonwoven offers the technical possibility of being

recycled thanks to its material purity. This can support resource-efficient material use and help promote a longer material cycle. Its low weight and high resistance to breakage also offer advantages in transport, processing and installation. For additional safety, bluefiber products are tested according to EN 13501 and classified as flame-retardant.



smart acoustic recycling



Have you heard about our circularity initiative? Get in touch with us and find out more.

Only the best properties combined



sound-absorbing



low-emission



flame-resistant



moisture-resistant



single-polymer

Innovative, unique, smart!



The right fiber composition makes all the difference!

Polyester fibers are our specialty. Therefore we know: The right fiber composition and the right processing technology are key. bluefiber combines both. Our customers can rely on the functionality and stability of bluefiber.



Full innovation ahead!

The bonding of the polyester fibers is a unique smart acoustic technology that differentiates us from our competitors. With bluefiber, we bank on innovation. Experience our special products for yourself.

The optimum is just good enough!

From the first product idea to the manufacture of our smart acoustic products: Our state-of-the-art processes are optimized. This way, we are able to guarantee our customers highest quality and efficient sound insulation.



We like it quiet. How about you?

Acoustical optimization enhances our well-being at home, at the workplace, and in public buildings. With bluefiber you can create quiet spaces. Its sound absorption performance speaks for itself.



smart acoustic applications

You want to implement your idea for an acoustics project? bluefiber products are perfectly well thought out to this end, no matter whether your application is in the construction industry or in technical insulations. Utilizing the smart acoustic technology, panels, pads, wool, and all custom-made products are suitable for diverse acoustics applications.



Sound insulation in interior acoustics

For a quiet workplace

Use the smart acoustic products to create a quiet working atmosphere. Applying bluefiber in open-plan offices, public buildings, or even class rooms will provide for pleasant acoustics.



Sound insulation in construction

For silence in the room

With bluefiber smart acoustic technology you choose particularly processor-friendly sound-insulation. Augment classic drywall products with bluefiber and optimize the hearing conditions in any room.

Smart and ready to use in interior acoustics

Owing to the special technology, bluefiber products dampen any noise efficiently. No matter whether the material is used for partitions between the workspaces, as panels on ceiling and walls, or for any other acoustic solution: bluefiber turns any room into a quiet place.

Smart and ready to use in interior acoustics

bluefiber smart acoustic products are resistant to moisture, as well as particularly functional. And best of all: bluefiber products combine inert properties against fungal and bacterial growth with low-emission performance. This is demonstrated by our tests according to DIN EN ISO 846 and DIN EN 16516.



Working undisturbed in an open-plan office: No problem, owing to sound insulation with our bluefiber products.



Using our highly efficient bluefiber products in construction you create a pleasant and quiet environment..

smart acoustic applications



Sound insulation in industry & engineering

For quiet machines and appliances

The smart acoustic technology is suitable for technical applications such as machine insulation and industrial noise reduction in factories. The products demonstrably reduce noise pollution.

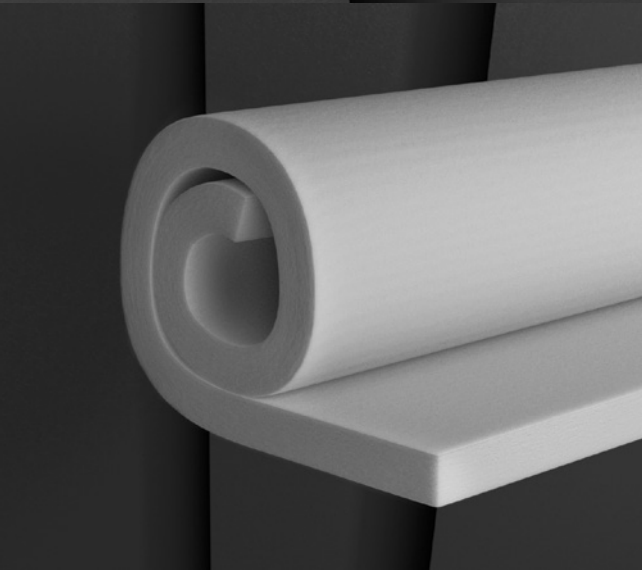
Smart and ready to use in industry & engineering

In sound insulation for compressors and heating systems, as well as in sanitary installations or vacuum cleaners, and other electric appliances: bluefiber smart acoustic products provide sound insulation in industry and engineering.



Enclosing machines and equipment in industry, bluefiber products are the ideal solution for noise dampening.

smart acoustic products



smart acoustic wool

Lightweight and highly efficient in sound absorption

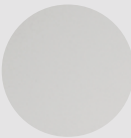
bluefiber smart acoustic wool makes homes, workspaces, and public buildings quieter places. These products impress with their extraordinary lightness and resistance to moisture, coupled with excellent performance.

Suitable for e.g.:

- acoustic layer
- acoustic backing
- cavity absorber
- ...

smart acoustic wool – versions

Wool	Thickness			
	15 mm	20 mm	30 mm	40 mm
bluefiber wool	✓	✓	✓	✓



white



black

Only the best properties combined



sound-absorbing



flame-resistant



single-polymer



moisture-resistant



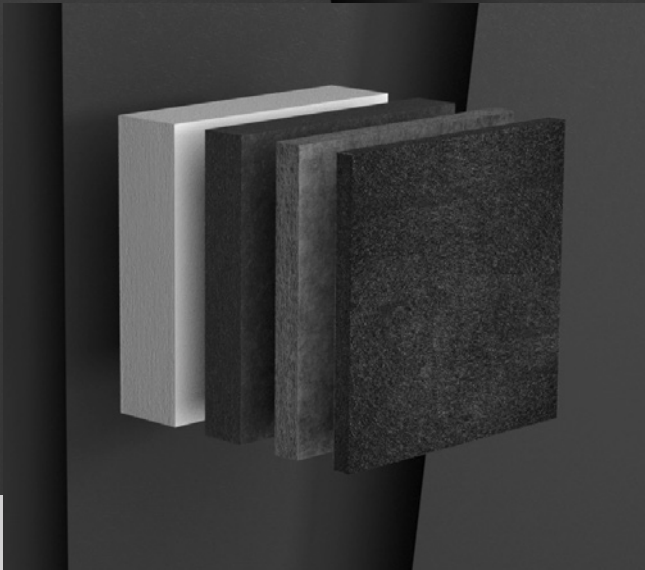
gentle on the skin



heat-insulating

smart acoustic products

 Availability and specifications of bluefiber products may vary depending on the region..



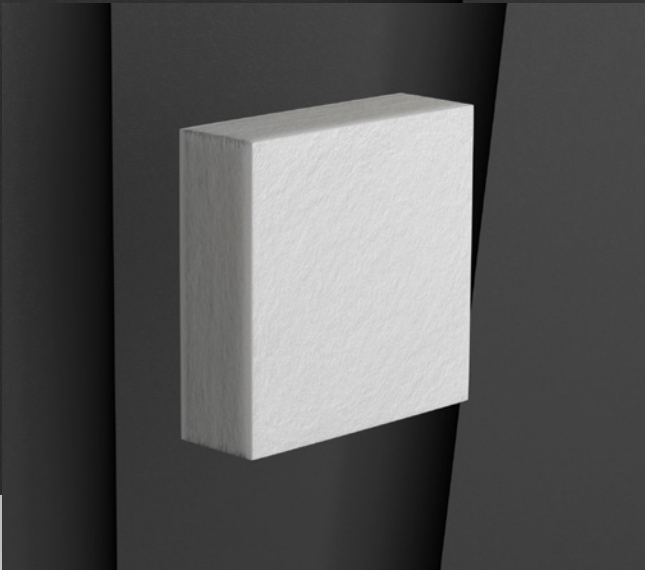
smart acoustic panels

Ready to use and individual for your ideas

bluefiber smart acoustic panels not only provide 100 % sound insulation, they are also ready for use to implement your ideas. The uniquely needle-punched bluefiber panels are available in a variety of versions.

Suitable for e.g.:

- ceiling panel
- wall absorber
- office furniture (visual cover, partition wall)
- ...



smart acoustic pads

One solution for many ideas

smart acoustic pads are the efficient solution for a variety of acoustics applications, perfectly complementing the bluefiber product range. Discover the different versions of the lightweight bluefiber product and choose the smart way of implementing your idea.

Suitable for e.g.:

- ceiling solutions
- suspended ceilings
- applications in frames
- ...

smart acoustic panel – versions

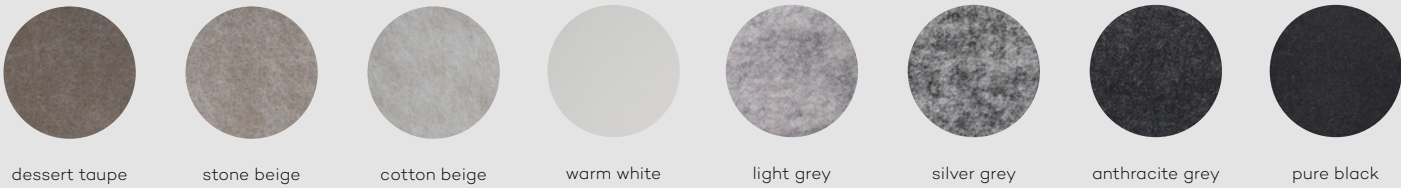
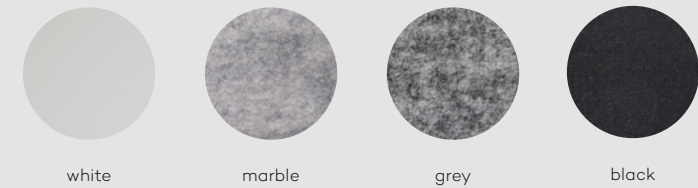
Panels	Thickness		
	12 mm	25 mm	40 mm
bluefiber panel I	✓	✓	✓
bluefiber panel II	✓	✓	✓
bluefiber panel III		✓	

bluefiber performance

Choose the right performance of your panel. Types I through III define the product features: stability, recyclability, acoustic efficiency, thermal insulation, and flame-resistance. Please contact us for further information.

smart acoustic pad – versions

Pad	Thickness
	50 mm
bluefiber pad	✓



Only the best properties combined



sound-insulating



flame-resistant



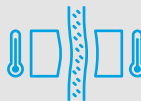
single-polymer



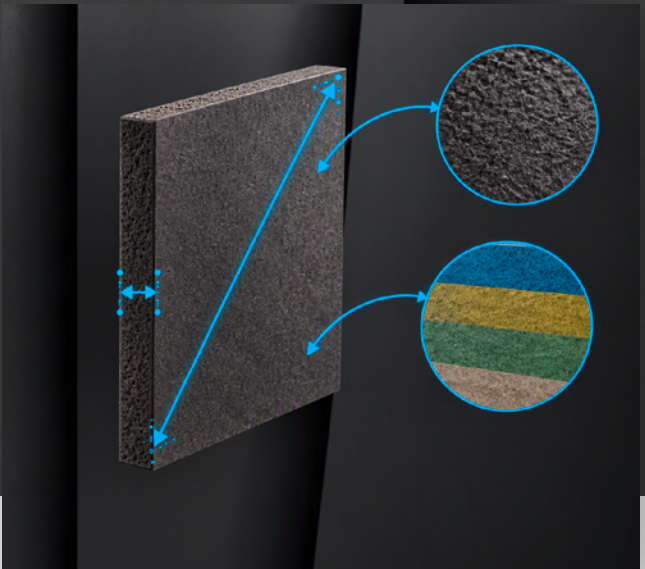
mechanically stable



abrasion-resistant



thermoformable



bluefiber custom-made

Your individual acoustic solution

We tailor our bluefiber custom-made products perfectly to your individual requirements. Choose the ideal solution for your application. Different design options, including material density, thickness, surface design and format, allow for a specific adaptation of the bluefiber products to the requirements of the respective application.

Your partner in acoustics



Based on decades of experience with nonwovens, Sandler has built up comprehensive and extensive expertise and has grown steadily in the process. Sandler stands for quality, innovation, and further development, as illustrated by its different certifications.

smart acoustic know-how

Experienced and innovative in nonwovens

Comprehensive know-how and true innovation make Sandler an ideal partner. bluefiber nonwovens are acoustically highly efficient materials. Discover the right smart acoustic product for your application.



smart acoustic people



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bluefiber

smart acoustic technology