

# Interlay

More comfort, less noise

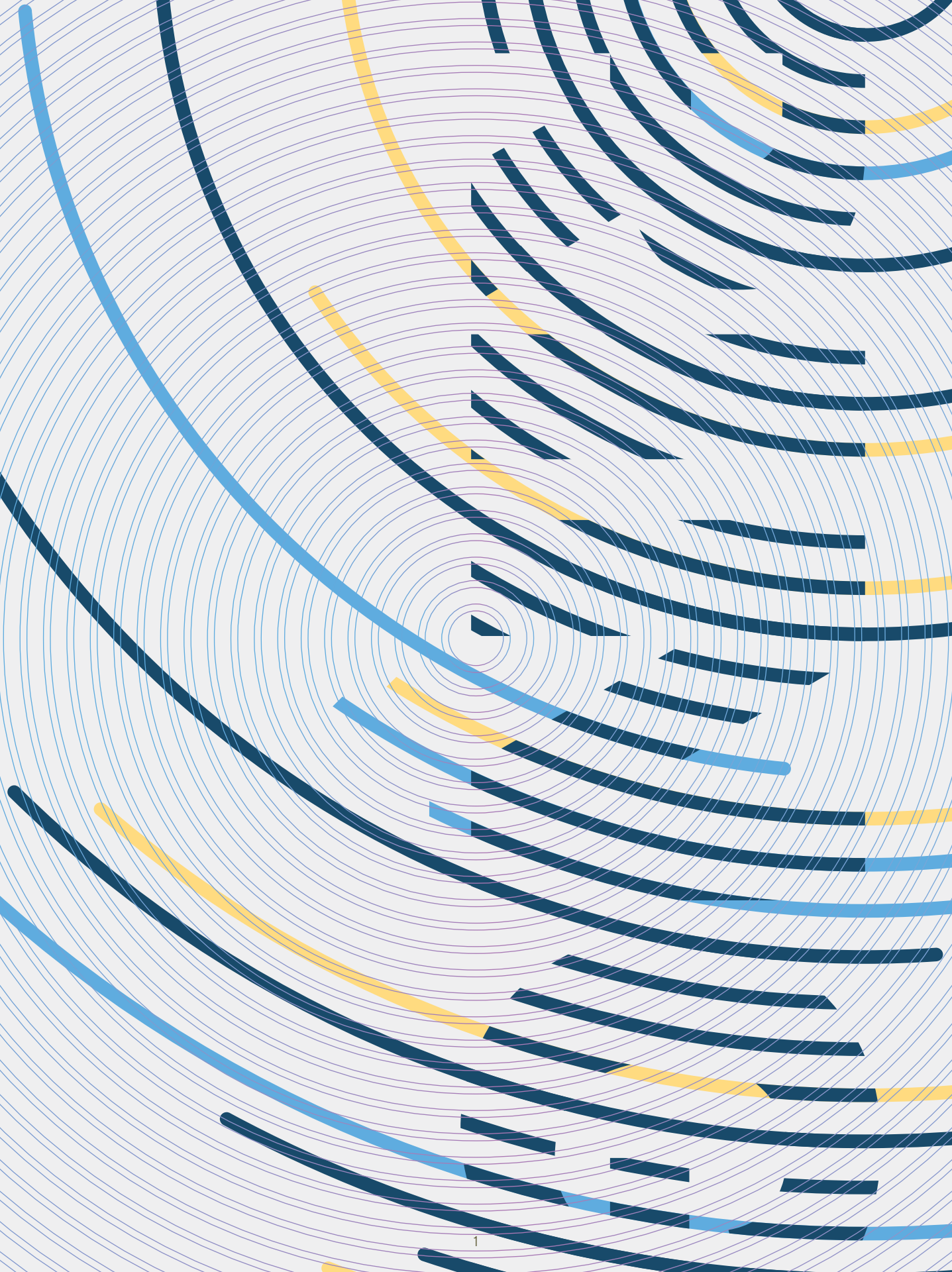


Interface®



# Could your carpet make life more comfortable, **And work more productive?**

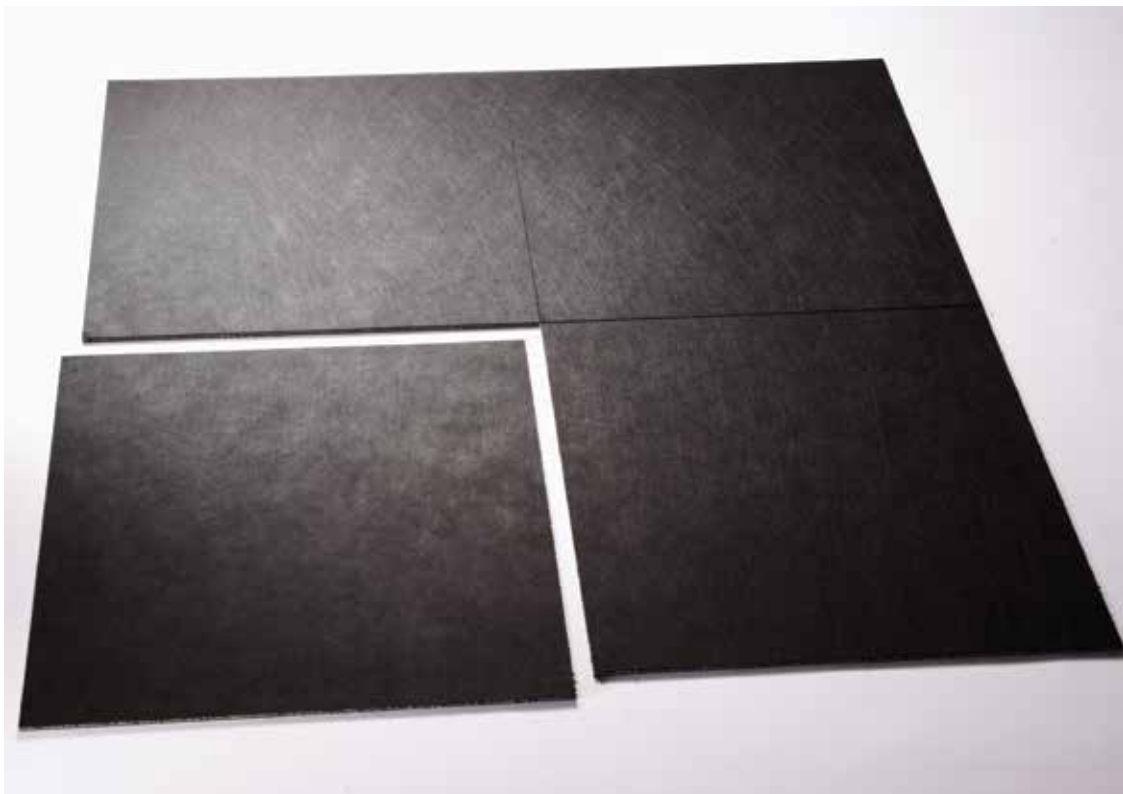
In any space – whether it's an office or classroom, hotel or cinema – you want the people using it to be as comfortable as possible. Your carpet can make a huge difference to their wellbeing. And if it's a work space, it's proven that better acoustics can enhance the health, happiness and productivity of those who use it. With Interlay loose lay resilient underfloor, you can create floors that feel good underfoot and improve acoustics, maximising comfort and minimising noise.

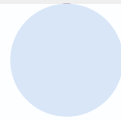
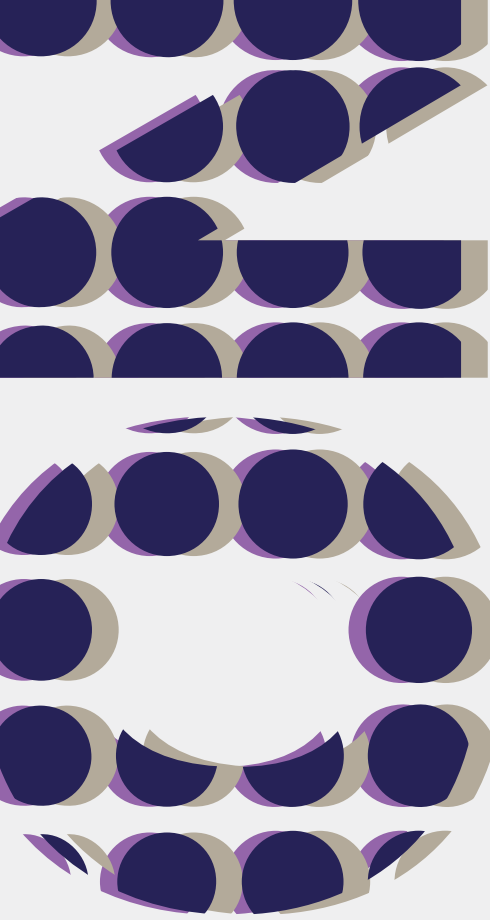


# What is Interlay?

It's a loose-lay resilient underfloor in 50cm x 50cm tiles. It's designed specifically as an underlay for Interface modular carpet. Once, it was difficult to find a backing for carpet tiles that succeeded in doing everything you want from an underlay. But now, Interlay ticks all the boxes:

- Reduced noise
- Underfoot comfort
- Easy to install
- Sustainable installation - no adhesive needed
- Long-lasting, economical
- Flexible - allows easy change of carpet tiles
- Small orders possible
- Interlay is to be used only with Interface carpet tiles
- Interlay can be used in conjunction with the majority of Interface carpet tiles

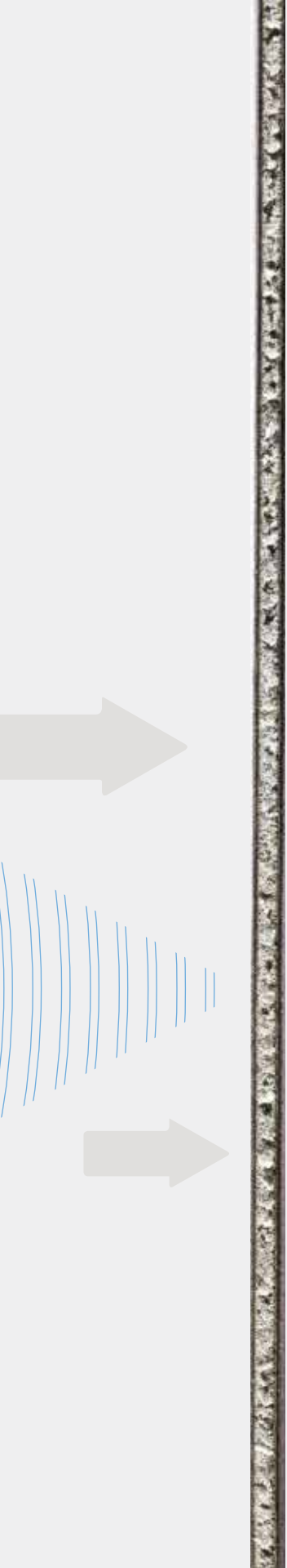




## ***The vital job of reducing noise***

The acoustics of commercial, educational and public spaces are vital for clear communication and general wellbeing. If a place is too noisy, people can't hear properly, they get stressed and frustrated, and lose concentration.





## ***Why are acoustics important?***

Over time, the change in the types of noise human beings hear has been considerable. For thousands of years we were exposed only to natural sounds, with our hearing attuned to an outdoor life. Today we spend 90% of our time indoors, living and working in a modern world increasingly reliant on machines, installations and other technology. This creates noise that affects us all in every aspect of our daily lives - at home, at work and at play.

By reducing unwanted sound and reverberation, you can create a healthier environment and more peaceful space, giving customers, students or staff, more opportunity to perform at their best. The need for a healthy living and working environment is becoming increasingly important - having the right acoustics is a major contribution.

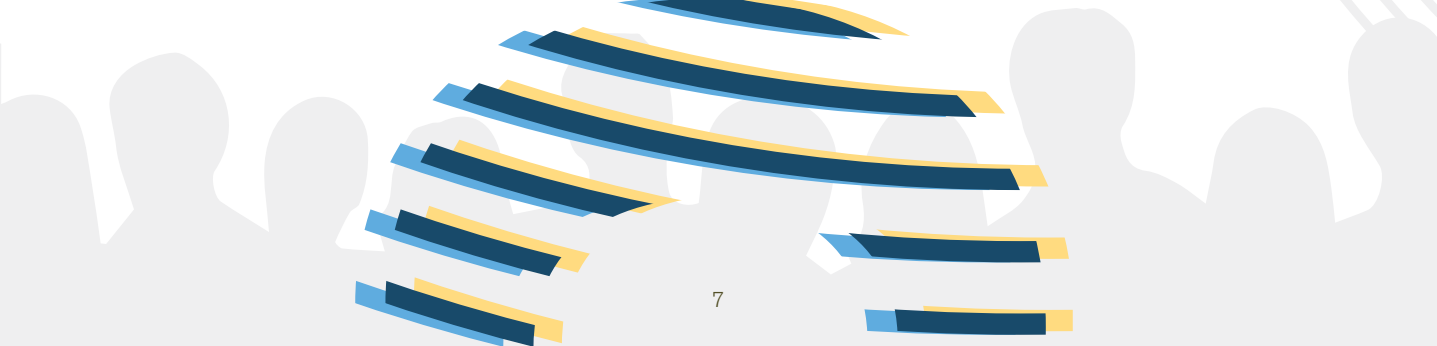
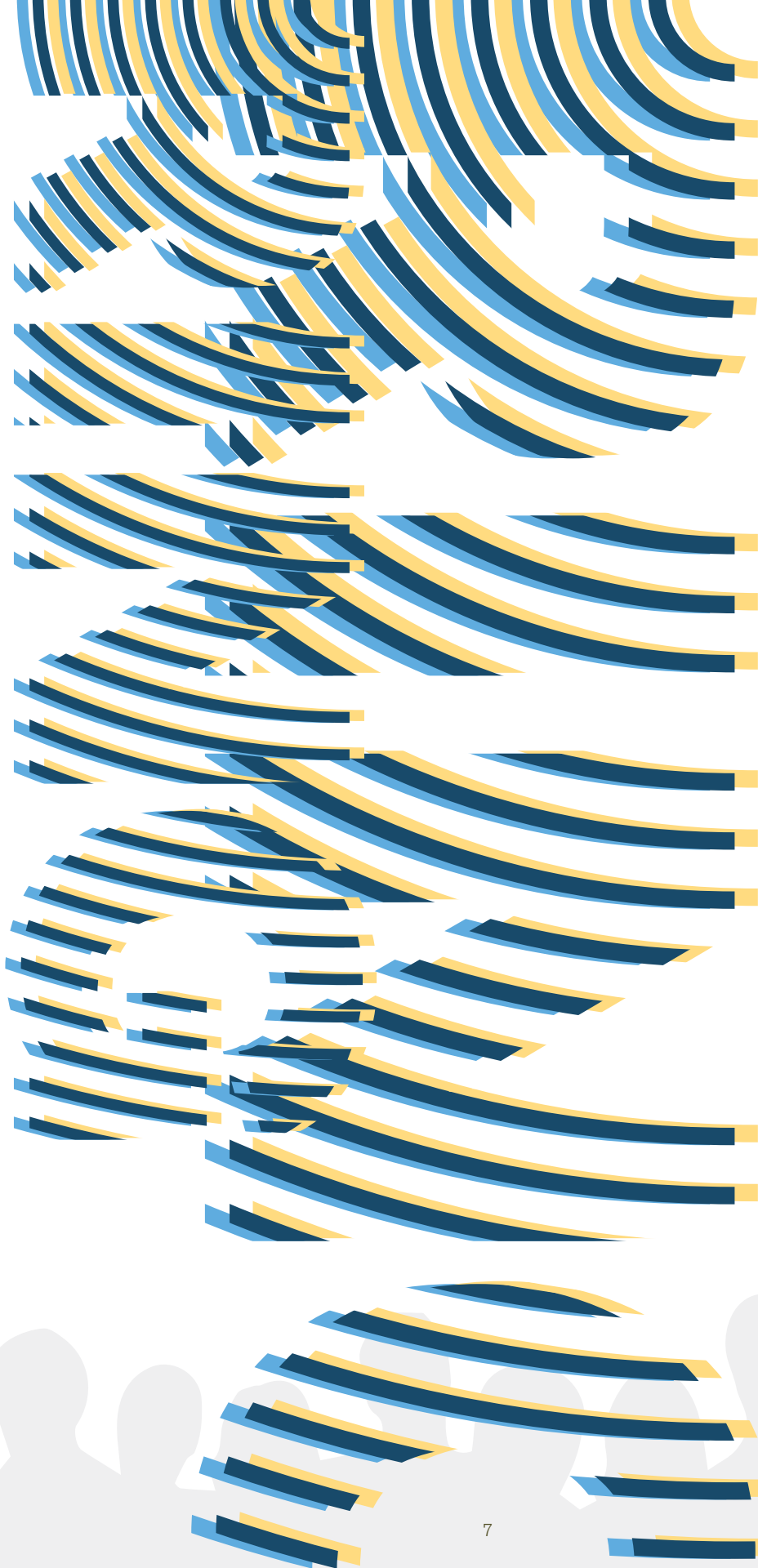
## ***What happens with poor acoustics?***

Computers, air-conditioning units, ventilation and heating, printers, traffic, aircraft, telephones, general chatter and hard, reflective surfaces are some of the reasons we have to deal with high background sound levels and increased exposure to unwanted noise. Open-plan office space may be good in many ways, but it does create unwanted acoustical issues. Not only is this a continual annoyance, but it also makes concentrating on a task that much harder. It can also have a severely negative effect on the health and productivity of people in the building.

Studies have shown that alongside impaired concentration, people in buildings without appropriate sound absorption can suffer headaches and other stress related symptoms. Acoustic issues are behind a large percentage of complaints about office space. However you look at it, noise is a problem - an issue you need to tackle to create the best possible environment - whatever type of building.





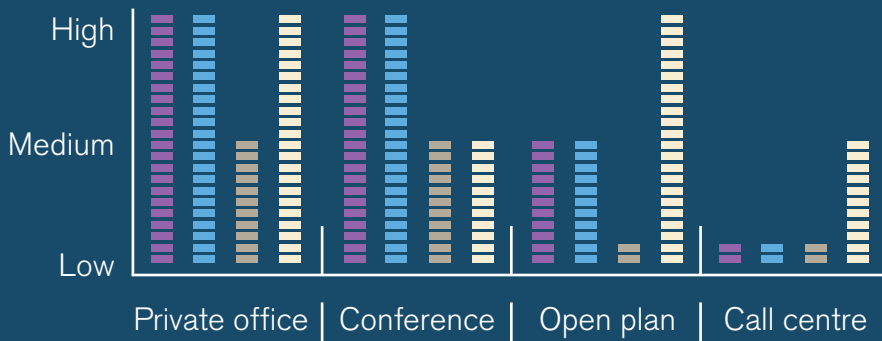


# The challenges with acoustics in office and education

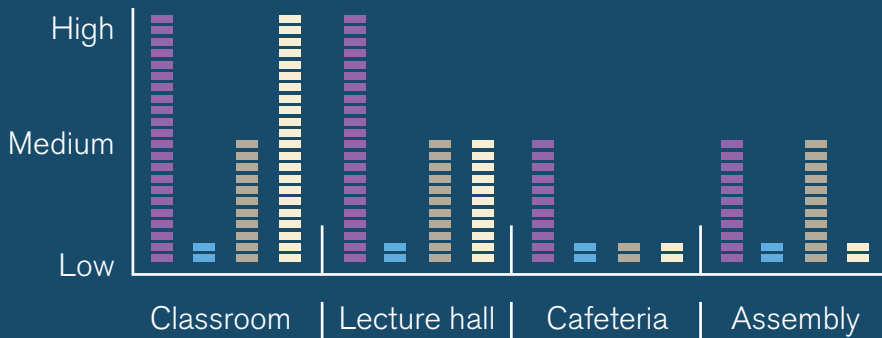
Along with keeping staff or students focused, happy and productive, effective communication is a key element to success. Whether it's a teacher talking to pupils or an employee in conversation with a colleague or client, being able to hear clearly what is being said is vital.

In education, those up to the age of 15 are still developing language skills and need appropriate listening environments. Teachers may also need to communicate easily with disabled children, or those with learning disabilities, language learning difficulties, behavioural problems, or hearing loss. In the workplace, avoidable noise levels create a lack of privacy and have a negative impact on people's ability to do their job to the best of their ability.

## Acoustics needs for office buildings:



## Acoustics needs for education buildings:



### Key:

- Intelligibility within
- Privacy between
- Sound quality
- Sound concentration



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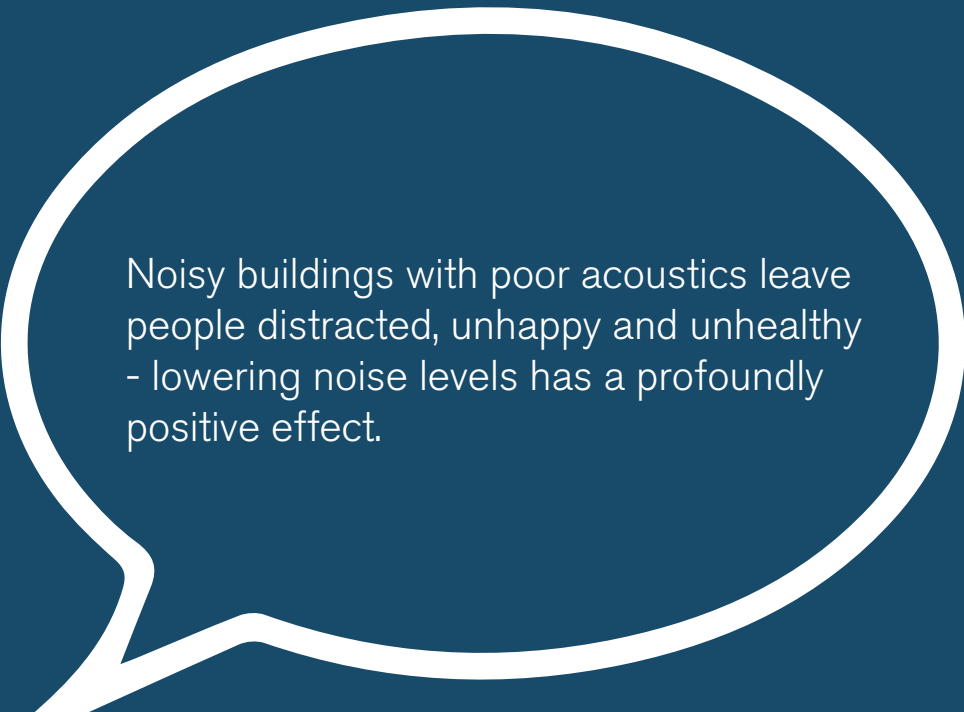
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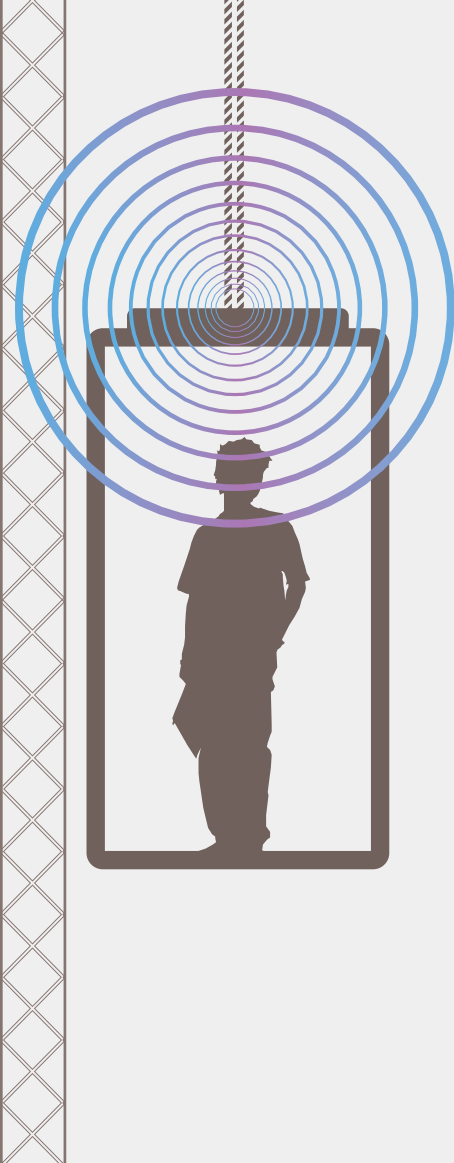
Noisy buildings with poor acoustics leave people distracted, unhappy and unhealthy - lowering noise levels has a profoundly positive effect.



## ***How to combat poor acoustics***

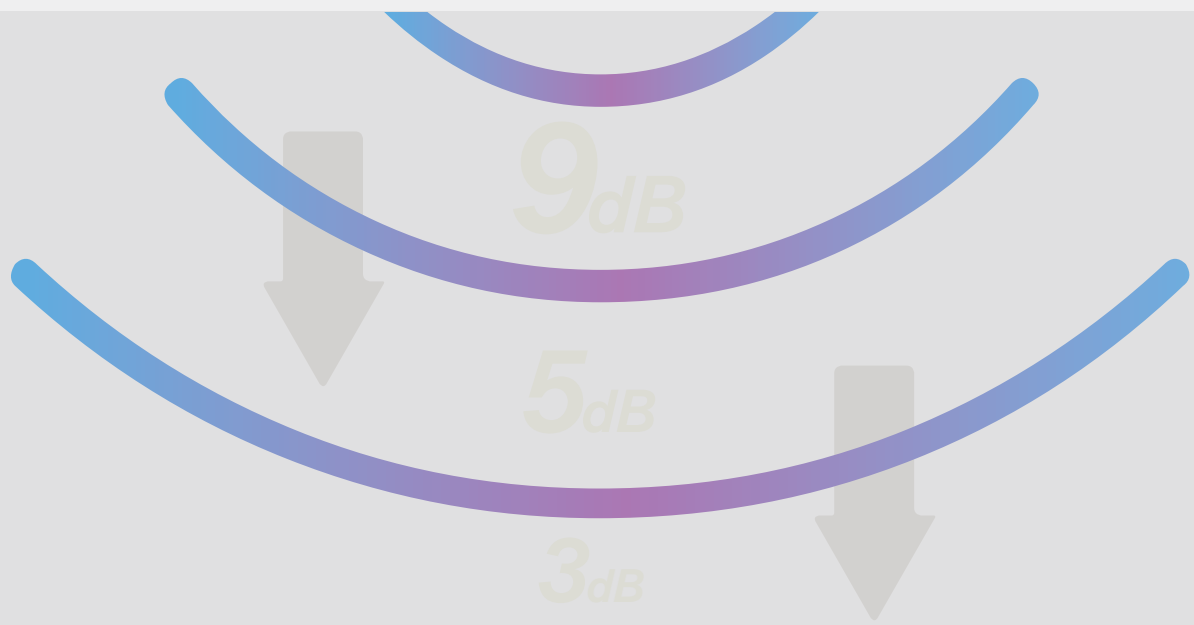
Through understanding the real nature of acoustics, and where improvements can be made, the noise levels people are subjected to can be lowered quickly and efficiently by installing the right sound absorption system.

Tackling excess noise reverberation, noise transfer through ceilings, walls and floors and poor all-round room acoustics means not only reducing hard, reflective surfaces, but also adding effective sound insulation to produce a healthier, more enjoyable and more comfortable environment.



## ***How Interlay can help***

Interlay significantly improves acoustic performance in any room by absorbing sound and dampening impact noise - the ideal way to combat your building's acoustics.



## ***Impacts sound reduction***

Impact sound, is the control of sound from one space to another. It is relevant when you want to assess the sound that is transmitted from an adjacent room.

When Interlay is installed with an Interface Microtuft carpet, Interlay will add an additional impact sound reduction of approx. 9 dB to the value of the Microtuft product it is installed under. This value will be an approx. additional 3-5 dB when using a typical tufted loop or cut pile product.



*dB = decibels*

## ***Sound absorption***

Sound absorption is the most important factor to facilitating a good acoustic environment in most modern buildings. It is a measure to assess the acoustic environment within a room.

A sound remains present in a room after it is made because it is reflected off of surfaces such as desks or chairs.

When Interlay is installed with Interface carpet, Interlay will add an additional sound absorption of  $\alpha_w$  0,05 to 0,10 to the value of the product it is installed under.

For full data of Interlay with Interface products, please see [www.interface.com/interlay](http://www.interface.com/interlay)

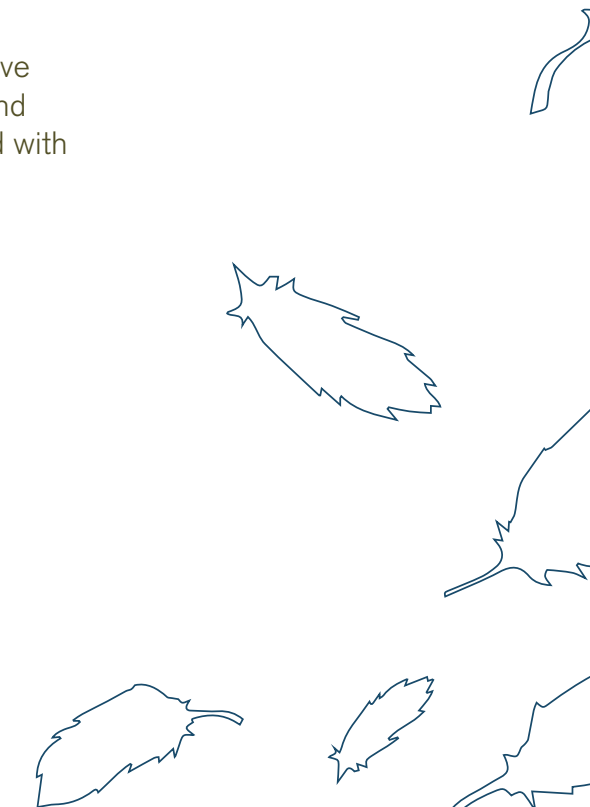


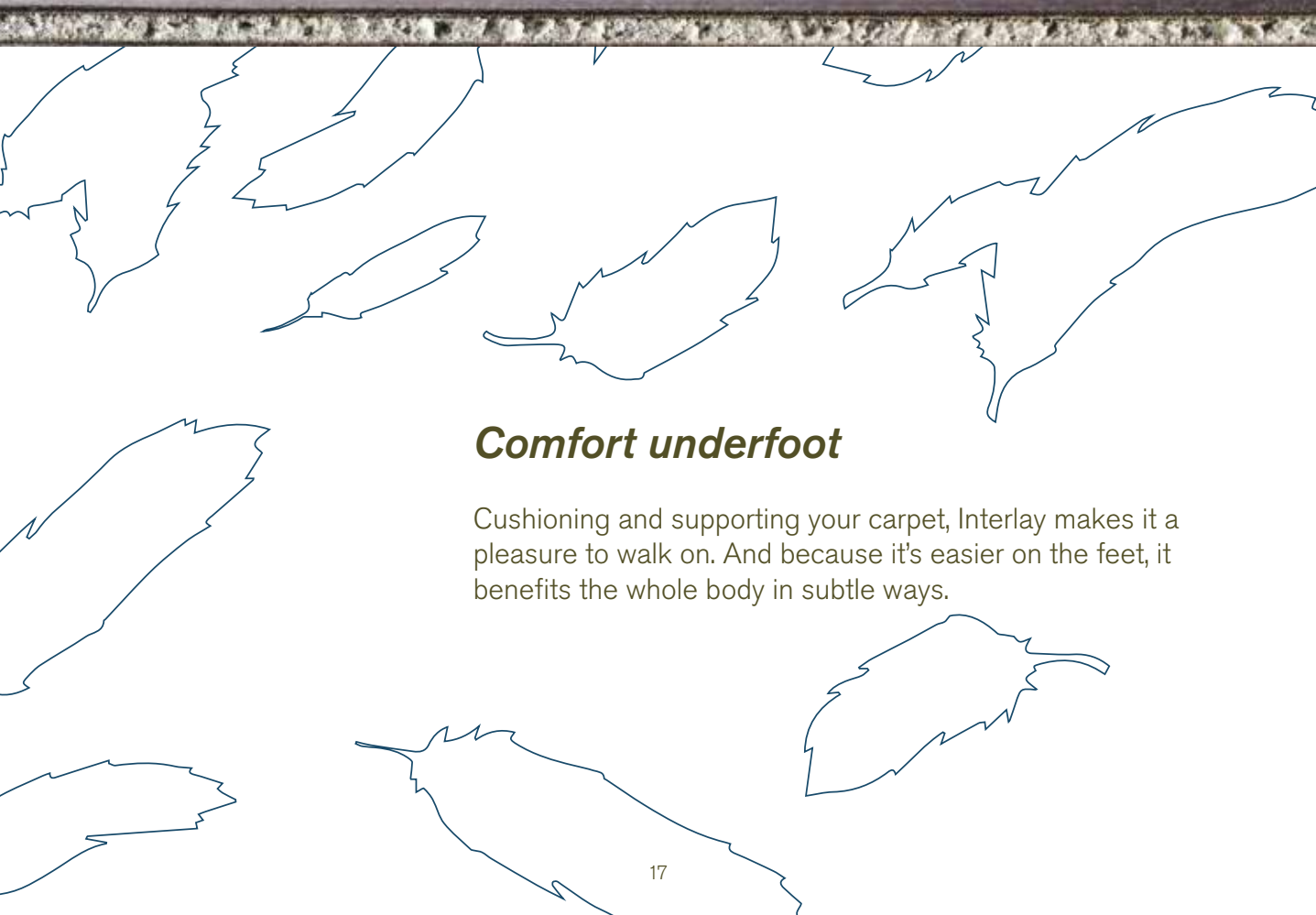
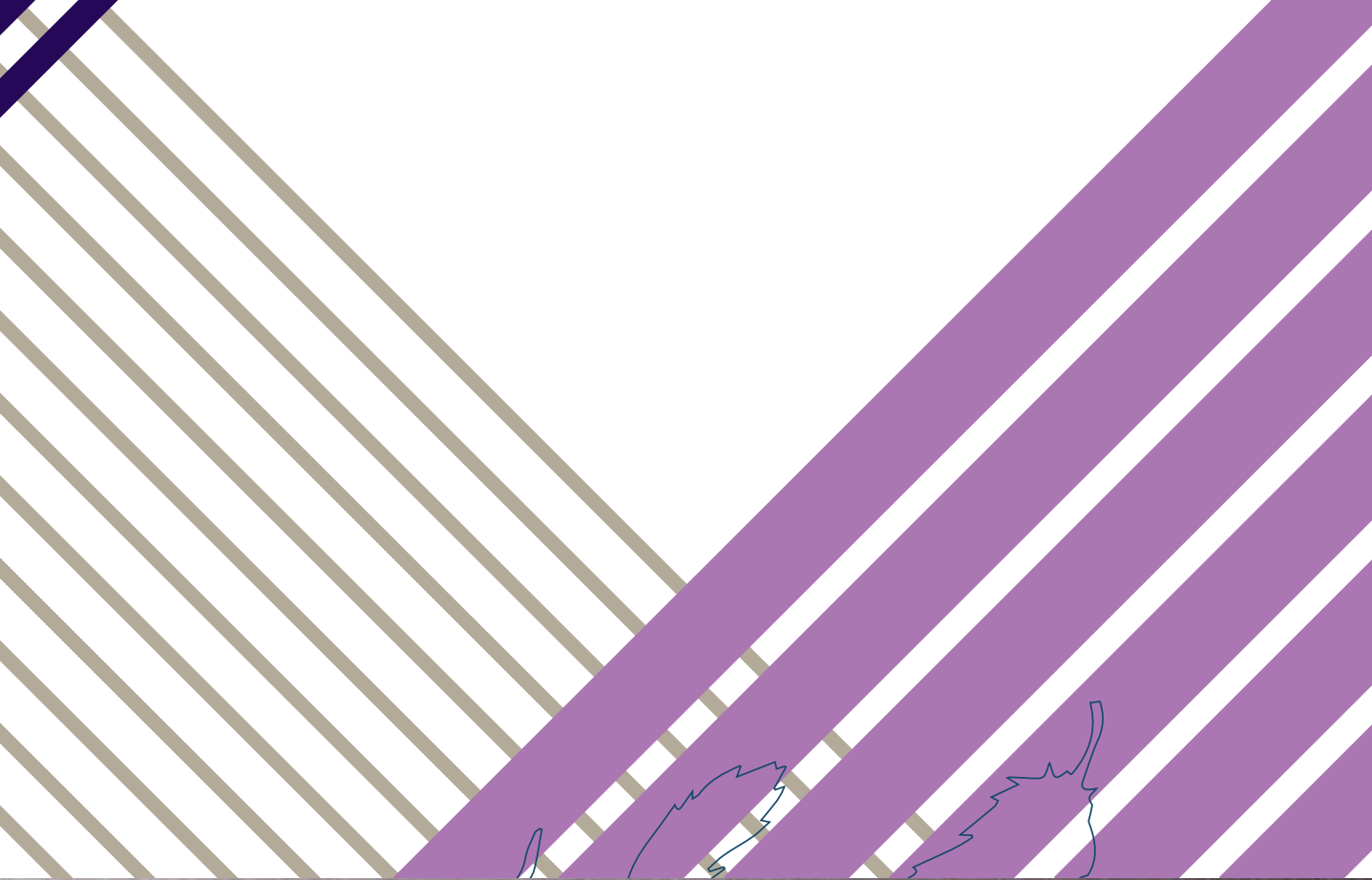




## ***The many other benefits of Interlay***

As well as reduced noise, you want your flooring to improve underfoot comfort. And you want it to be easy to install and sustainable to use. Interlay does all this, economically and with the flexibility to suit most interiors.



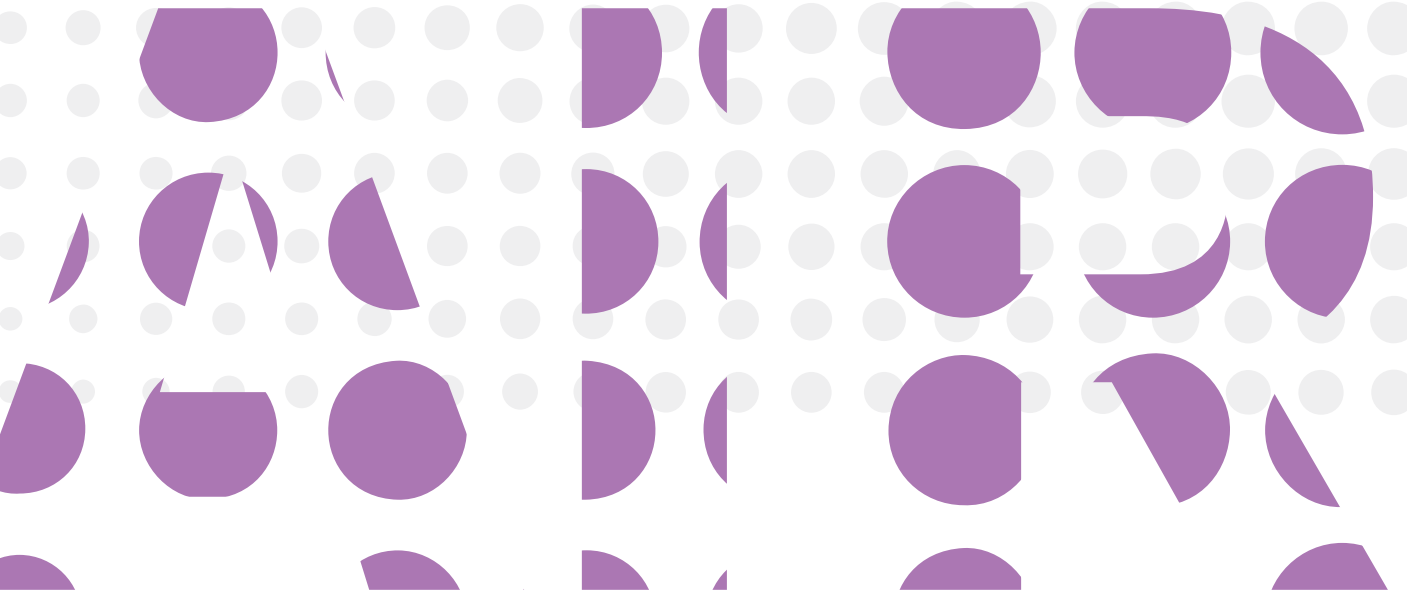


## ***Comfort underfoot***

Cushioning and supporting your carpet, Interlay makes it a pleasure to walk on. And because it's easier on the feet, it benefits the whole body in subtle ways.

## ***No glue needed***

Interlay's loose-lay installation needs no adhesive, which means better air quality. Plus, to fit your carpet on top, you use TacTiles™, our glue-free installation system. So the whole process involves no liquid adhesives, and therefore virtually eliminates the harmful emissions associated with them.



Also, Interlay tiles are made to last. When your carpet needs replacing, the underlay is still going strong. You can reuse it, keeping all the benefits for the future. Even when it's time to make changes to the surface.



**Better**

**AIR QUALITY**

## ***Easy installation***

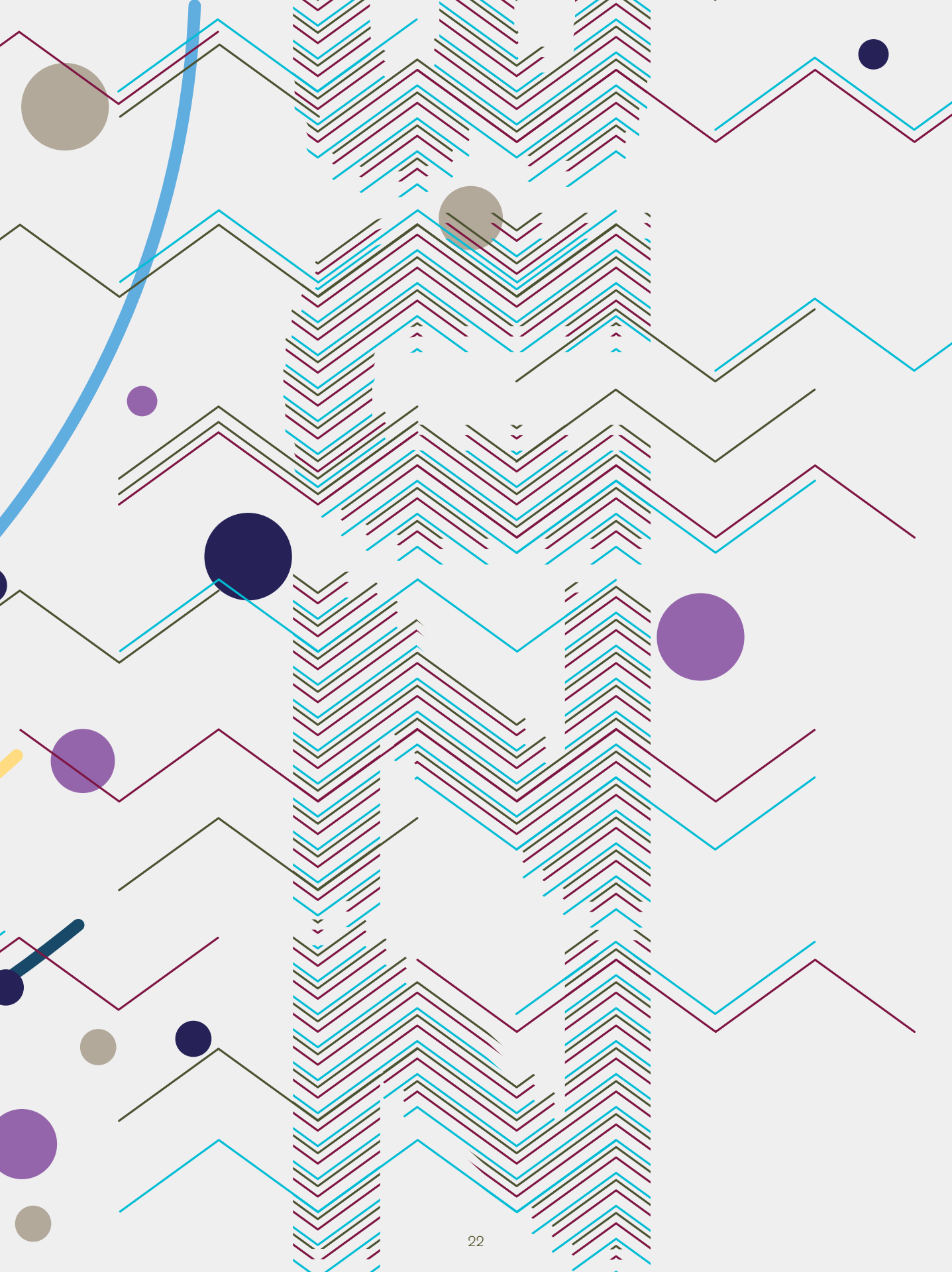
As well as helping enhancing your finished flooring installation, Interlay's loose-lay fitting is also easy. Installation is faster than with other underlays: you don't need to spend time applying glue or waiting for it to set. So there's less disruption and downtime. And the same goes for laying your Interface carpet tiles on top of it with TacTiles™ – you simply place these small, clear plastic adhesive squares underneath your carpet tiles to fix them firmly to each other.



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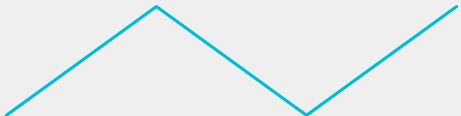


## ***Flexibility***

When you choose Interlay, you keep your options open with the carpet tiles on top. Because there's no glue, you can change them whenever you want – they lift clean off the Interlay with no sticky mess, and it's quick and easy to lay new tiles in their place.

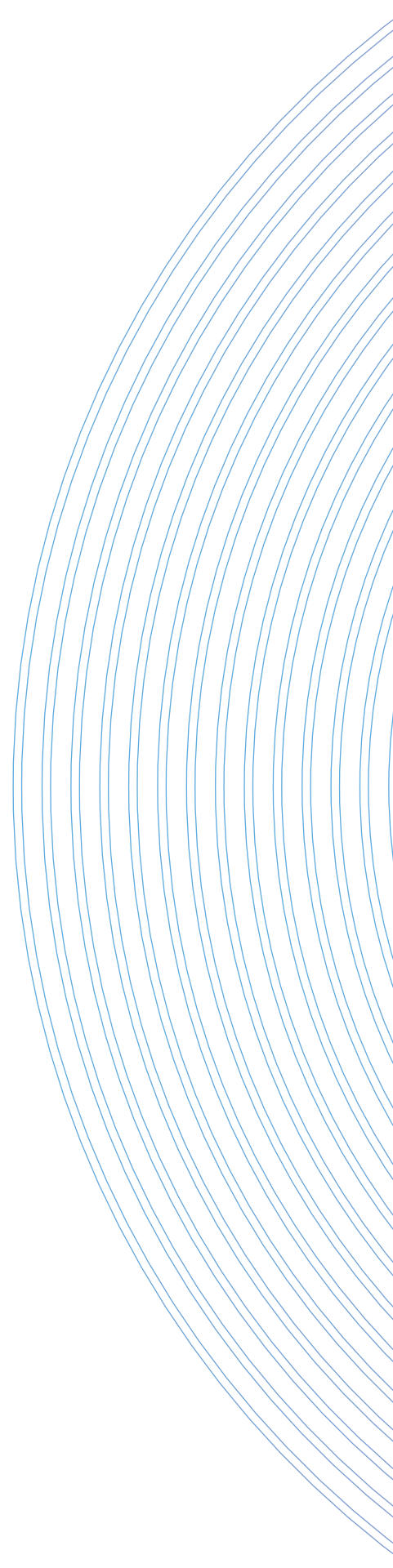


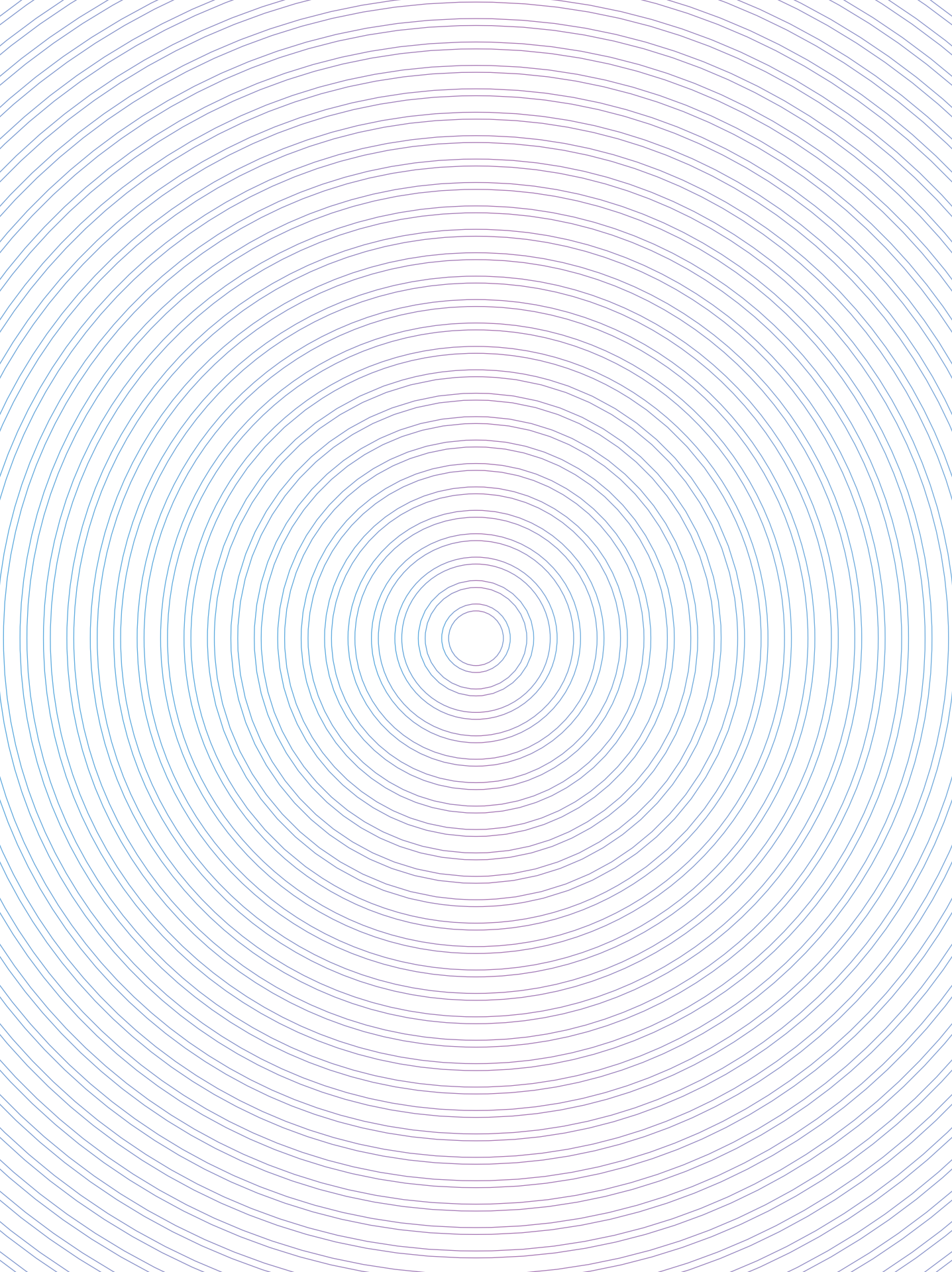
You can order Interlay in small quantities – from just 5 square metres. So it's ideal for increasing comfort and reducing noise in compact rooms, or in specific areas to help highlight different zones within a space. If you use our Intercell system for underfloor cable management, Interlay works with it perfectly. Which means you can combine a space-saving, raised-access floor with the comfort and acoustic properties of Interlay.



## ***Cost-effectiveness***

Because Interlay lasts so long, and is easy to keep when you change your carpet, you can enjoy the benefits for many years. Not having to replace your underlay brings significant savings over time, while it continues to enhance your space and the lives of the people who work, rest or play there.





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[www.interface.com](http://www.interface.com)



**Mission Zero:**  
our promise to eliminate any  
negative impact our company  
may have on the environment  
by the year 2020.

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