

**SUSTAINABILITY
ACOUSTICS
DESIGN
GUIDE**

ntgrate[®]

let's design an acoustical & sustainable future together



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SUSTAINABILITY
ACOUSTICS
DESIGN

The future is : the innovation of your past.

Craft meets high-tech, as ntgrate combines more than 60 years of experience in interacting with the most innovative techniques. Today, we resolutely opt for sustainable investments, outspoken design, and attention to maximum comfort with our acoustic solutions. And **100% made in Belgium**.

You bet our solutions are successful! They are used all over the world: in offices, hotels, restaurants, and shops. **Daimler, Coca-Cola, Pfizer, McDonalds, Microsoft, Google** and **Santander** are, for example, some references (pg. 184) which we are proud of.

Good to know: ntgrate solutions contribute to achieving your BREEAM & LEED Green building certification (pg. 41).

EXPERIENCE CENTRE KORTRIJK (BE)
SHOWROOM CLERKENWELL (UK)

Always welcome!

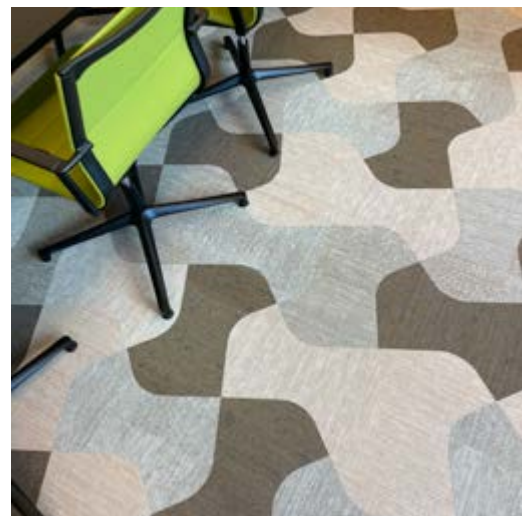
Discover our sustainable, comprehensive acoustic solutions at our Experience Centre in Kortrijk (BE) or at our showroom in Clerkenwell (London). **Come visit us** (pg. 188)!



Experience Centre **Kortrijk (BE)**



Showroom **Clerkenwell (UK)**



Experience

Experience Centre **Kortrijk (BE)**

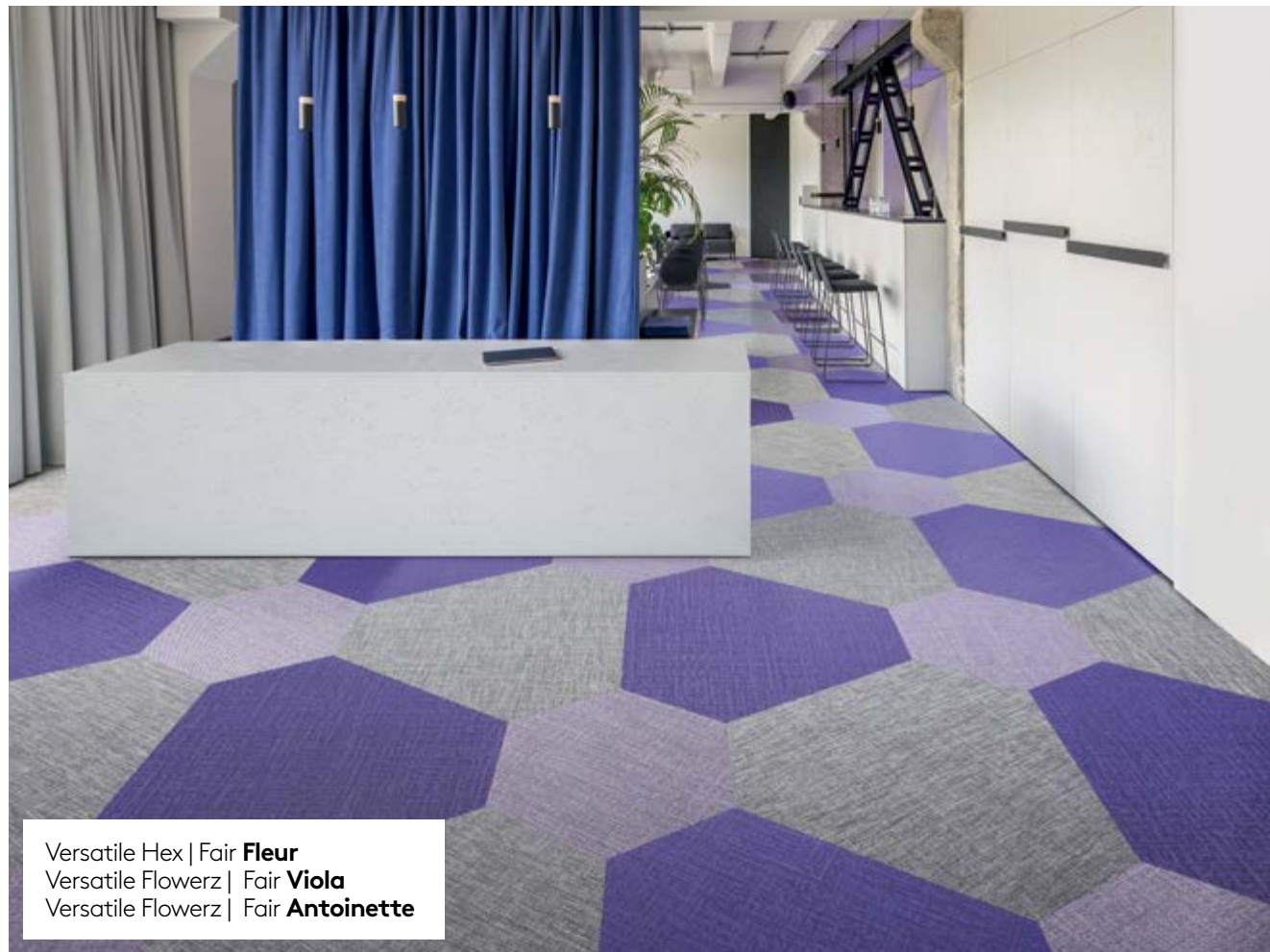
FLOOR
WALL
ACOUSTICS
FURNITURE
LIGHTING

Multi-purpose solutions

Integration and offering multi-functional solutions are in our DNA.

Our name speaks for itself: we focus on total solutions that you can integrate into your hotel, shop, company, acoustic interior,... always in trending and low-maintenance designs and colours, of course.

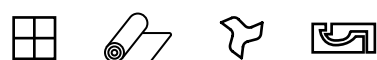
Our project consultants advise and inspire interior designers, designers, architects, builders, and specialist installers. They all set the bar high.



Versatile Hex | Fair **Fleur**
 Versatile Flowerz | Fair **Viola**
 Versatile Flowerz | Fair **Antoinette**



Fair **Suri**
 Strong **Lea**

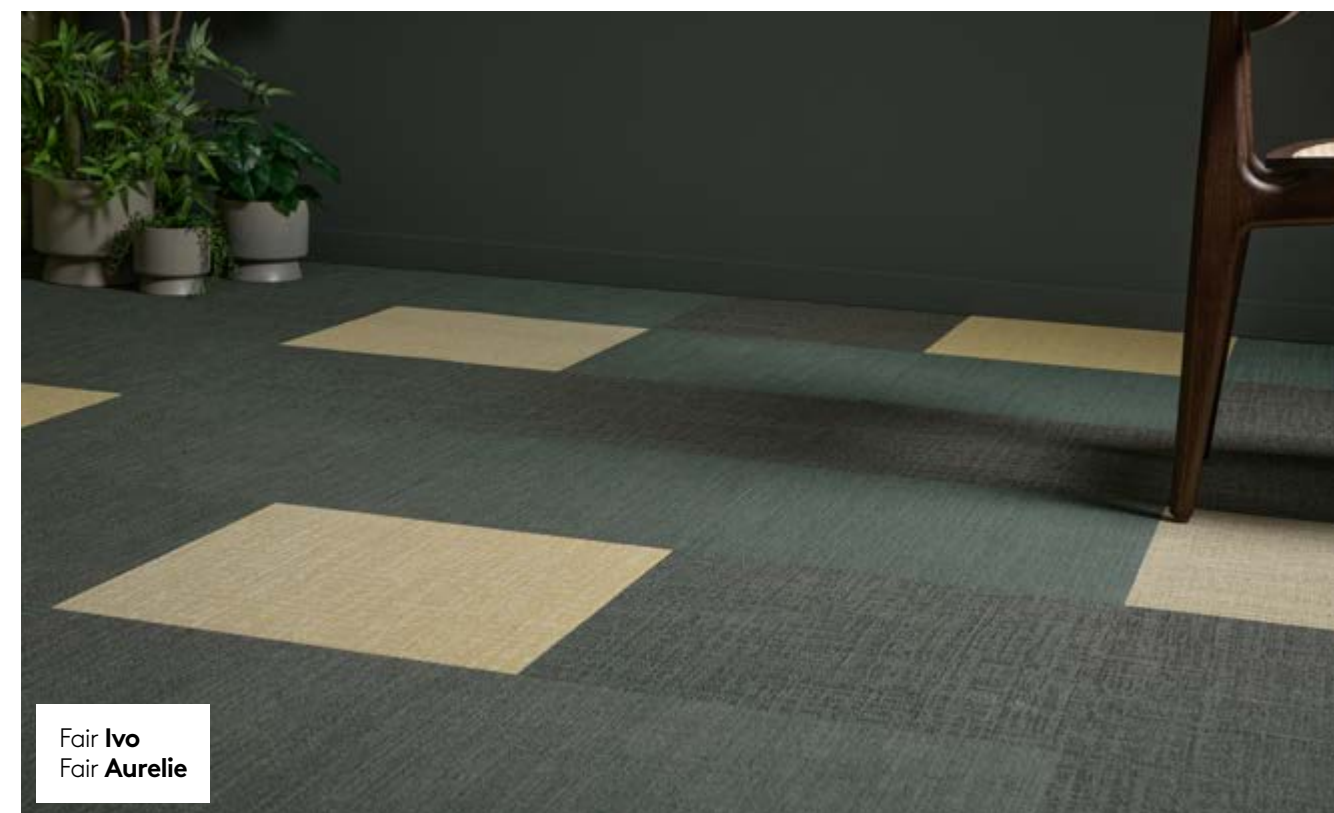


Floor

Our floors are **level of use class 33 certified**. They are shockproof, stain-resistant, colourfast, water impermeable and you can use chairs with castors on them. In short: they are excellent for intensive use in commercial areas.

In addition, they meet the **strictest fire class** (Bfl-s1) and are up to 22dB **acoustically dampening** (pg. 55). An overview of all technical specifications can be found on pg. 192. Cleaning your ntgrate floor is very easy (pg. 80). No need to use detergents; so your floor covering will always look as good as ever.

Besides the **trendy, playful, temporary** and **timeless design**, the shape of the ntgrate floor covering is also flexible. Our products are available in tiles (50x50 cm), rolls (2 m) and as a klic system. Or you can really stand out with the ntgrate Versatile (pg. 75) and Rebel collection (pg. 79).



Fair **Ivo**
 Fair **Aurelie**



Wall cladding

With ntgrate **wall cladding** you create a **luxurious overall experience**. Add texture and radiance to your wall. Play with colour and create a beautiful woven accent wall. Impact-resistant, washable and only 1.2 mm thick! Available in rolls of 1 metre width and up to 30 metres long.

Let's ntgrate!



Fair Noah

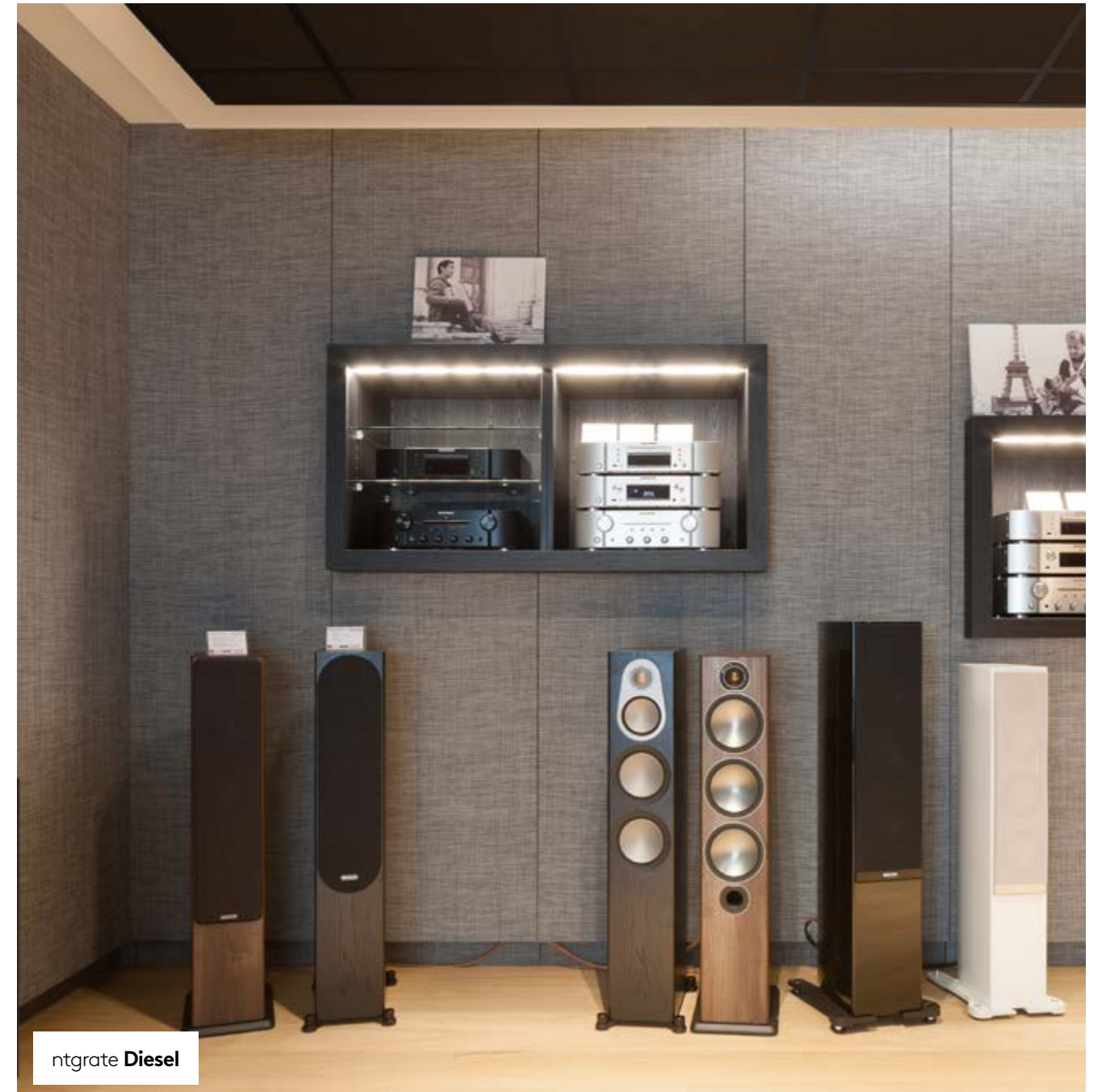


Wall panels

With ntgrate **acoustic absorbing wall panels** you create a unique overall experience. The woven top layer gives the panels a distinctive look and provides, together with invisible perforations, a **perfect sound absorption** (α -value : 0,9). Because even though they are **only 1 centimetre thick**, the panels absorb sound perfectly. The reduced thickness makes them easy to apply.

Another plus: they are **impact-resistant** and **washable**. Available at 3.03 metres high and 0.64 metres wide.

Print Acoustics



ntgrate Diesel



ntgrate **Silka**

↕ Print Acoustics



Fair **Miguel**

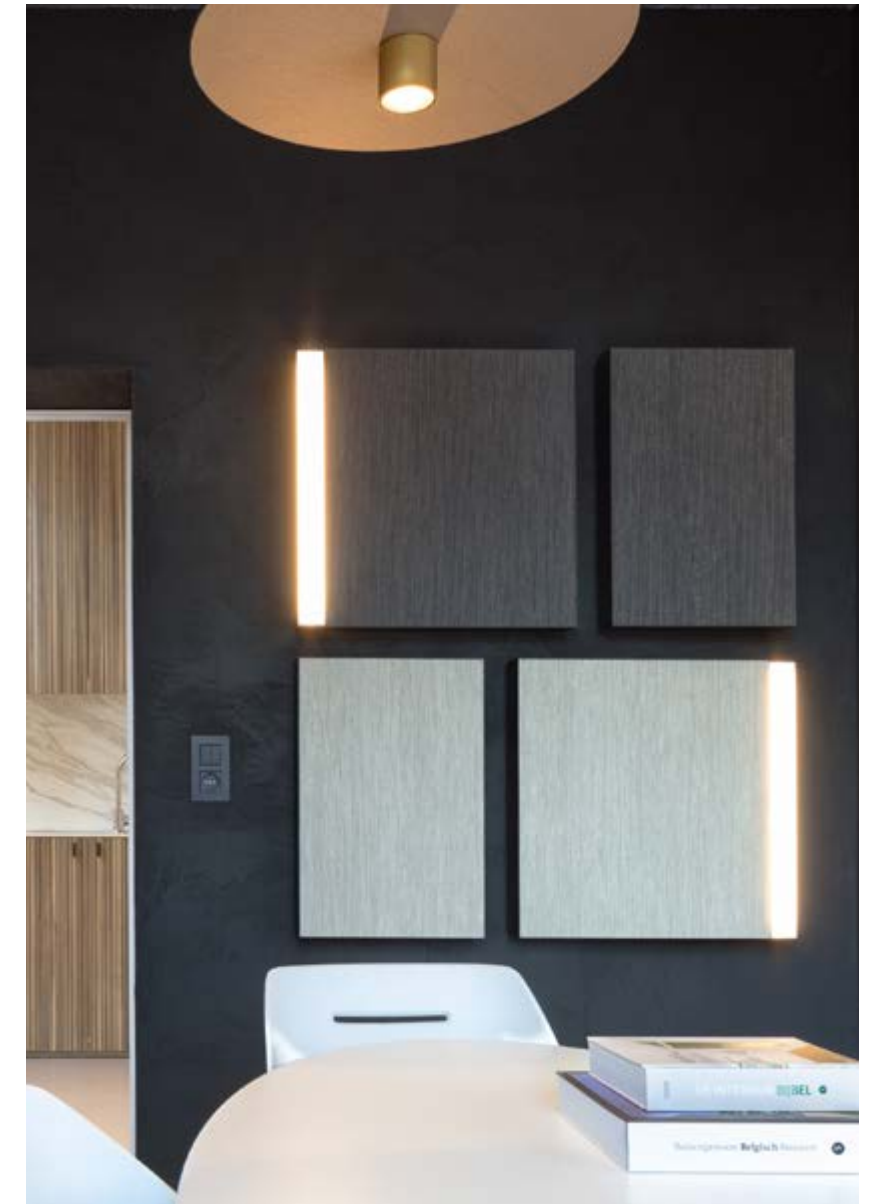


Lighting

Ntgrate likes to think out of the box. We even integrate our acoustic solutions into your lighting. Your lighting becomes more than a beautiful piece of design and combines several functions.

Aesthetic, practical and acoustically dampening.

Let's ntgrate!



↕ ZUMI light and acoustics





Furniture

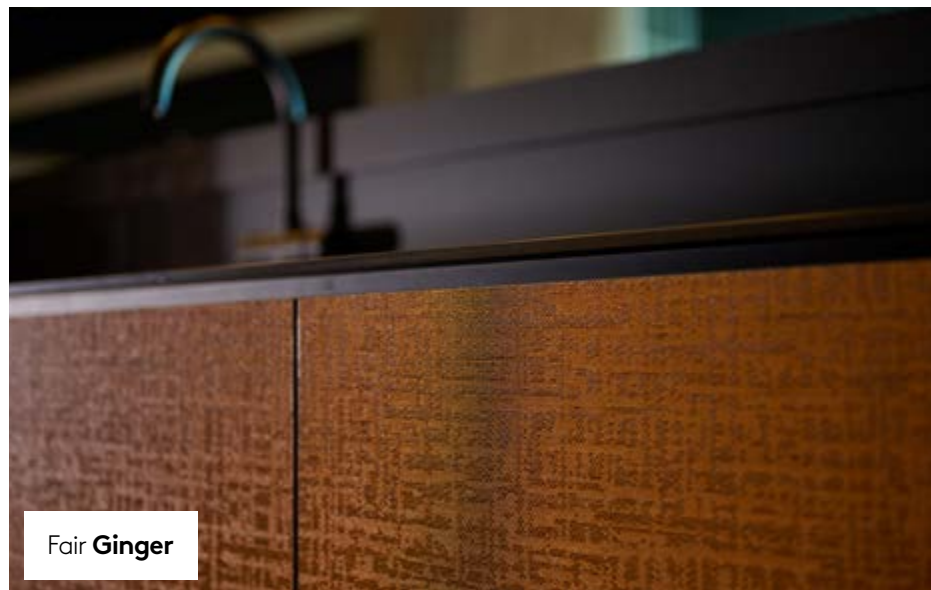
The furniture panel reinvented.
Turn your cupboard or storeroom into a **functional, impact-resistant eye-catcher** with acoustically absorbent cupboard doors fitted with our woven ntgrate top layer.

Let's ntgrate.



ntgrate Diesel

↓ Print Acoustics



Fair Ginger

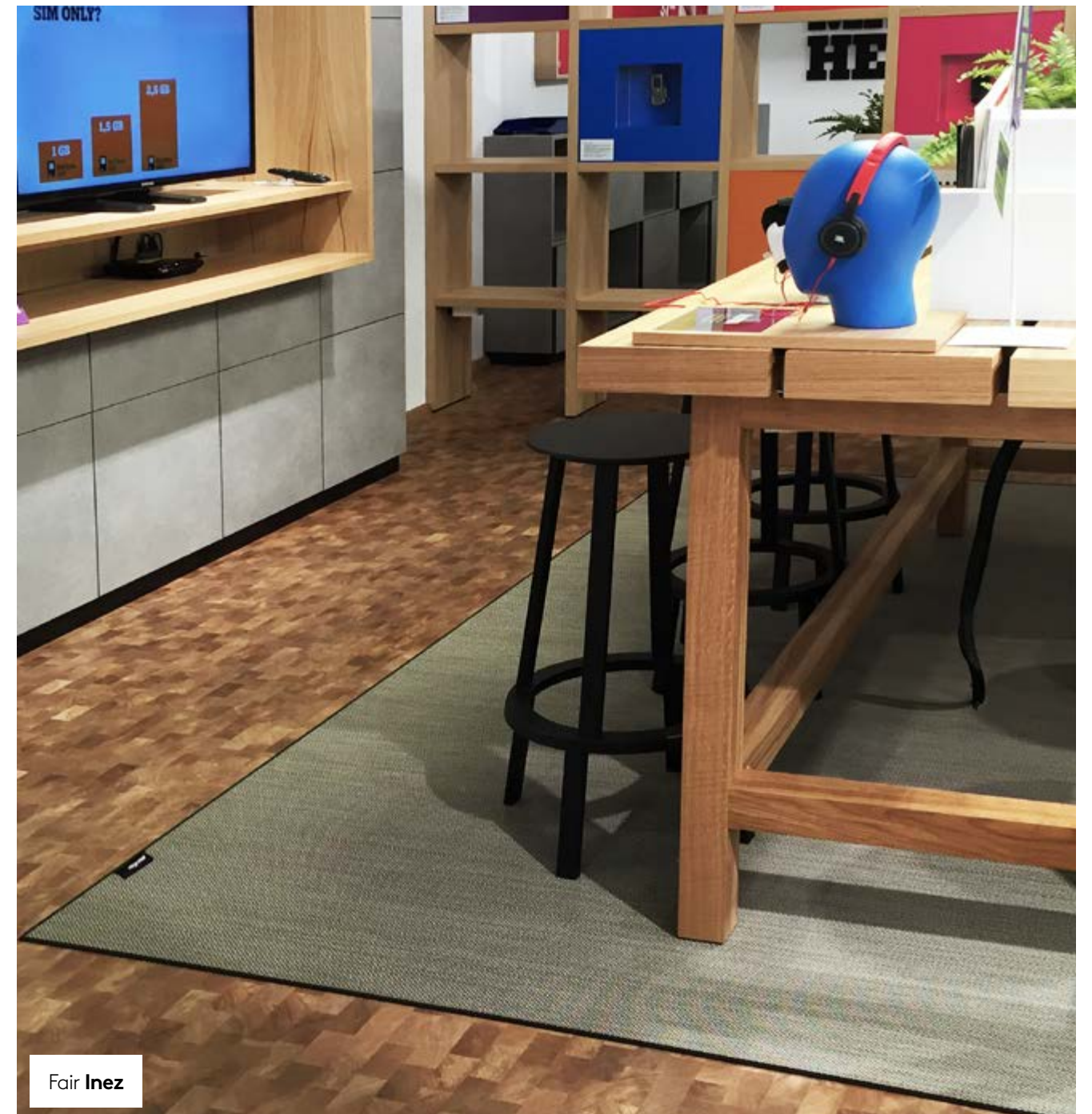
Find out more?
www.ntgrate.eu/projects



Rug

A loose laid ntgrate rug made of woven vinyl adds extra class to your interior design project.
Accentuate your interior and create comfort zones with their own unique look thanks to low maintenance ntgrate woven rugs.

Available in different colours and bindings.

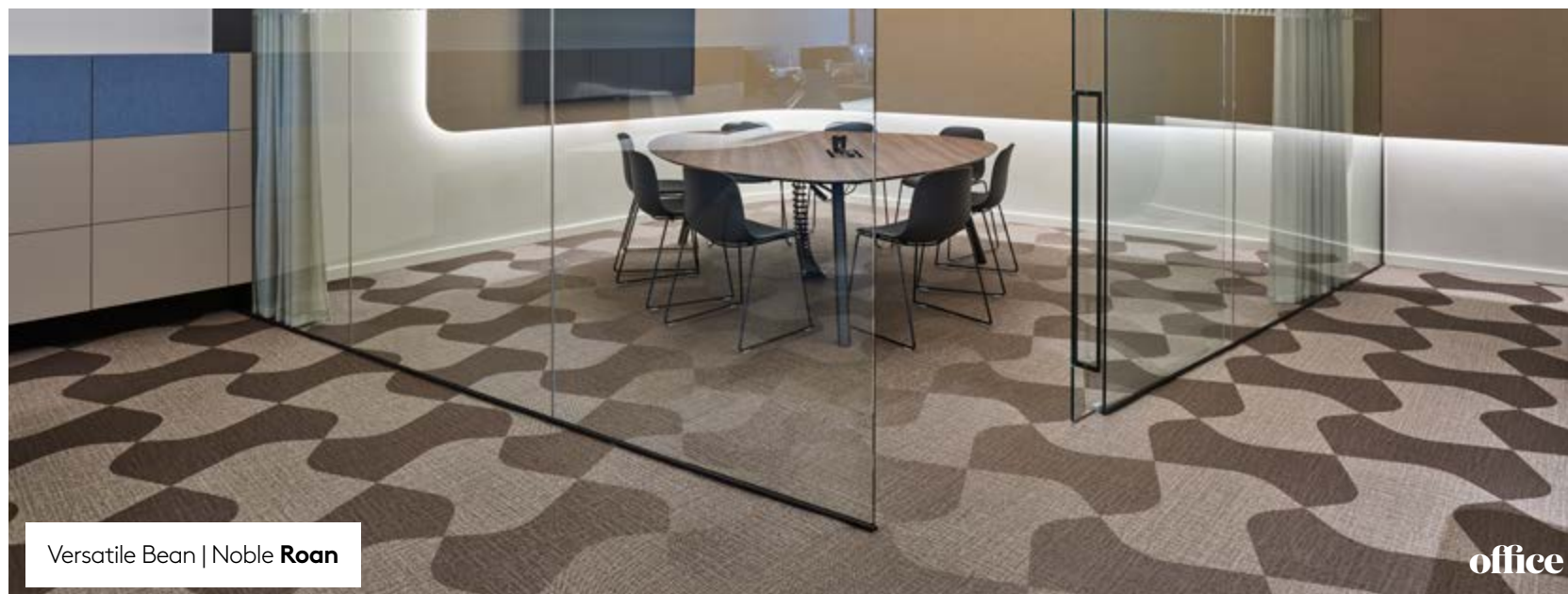


Fair Inez



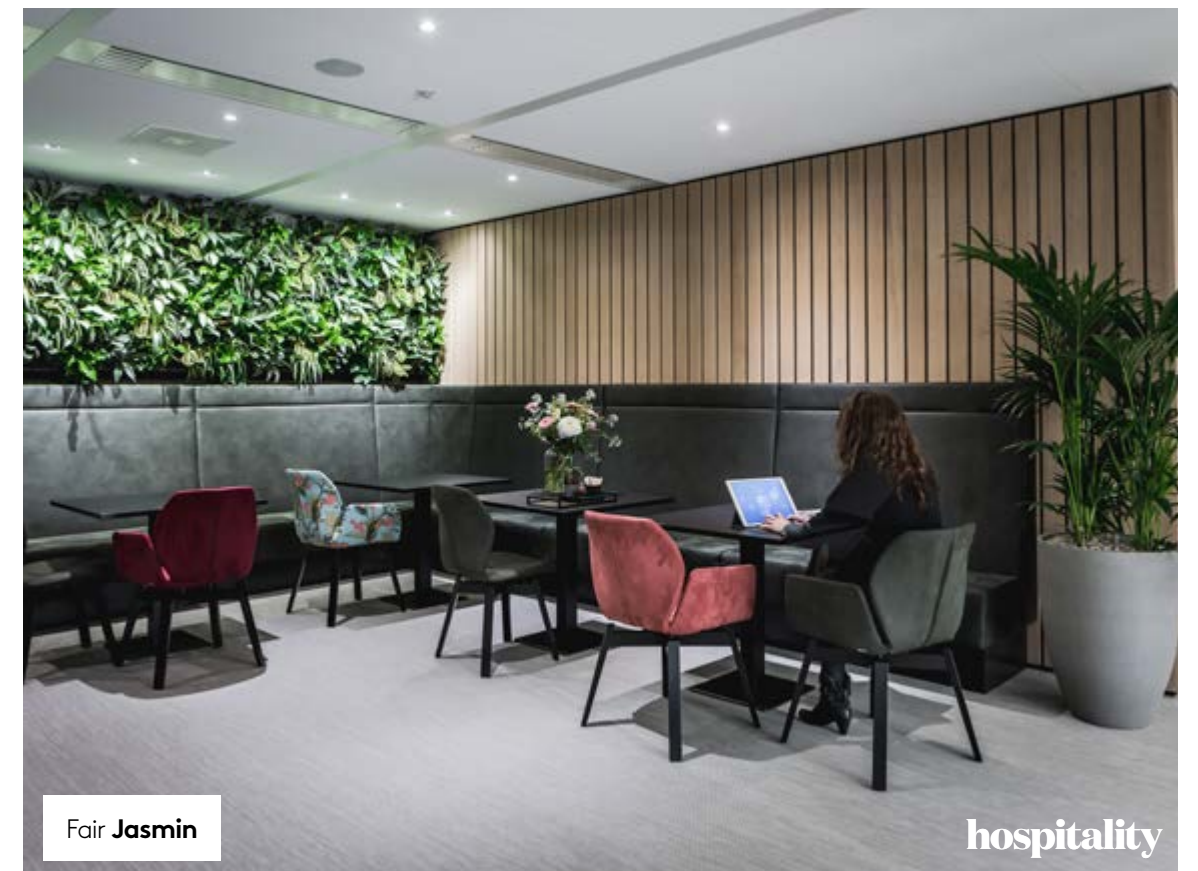
Fair **Mika**

in-store



Versatile Bean | Noble **Roan**

office



Fair **Jasmin**

hospitality

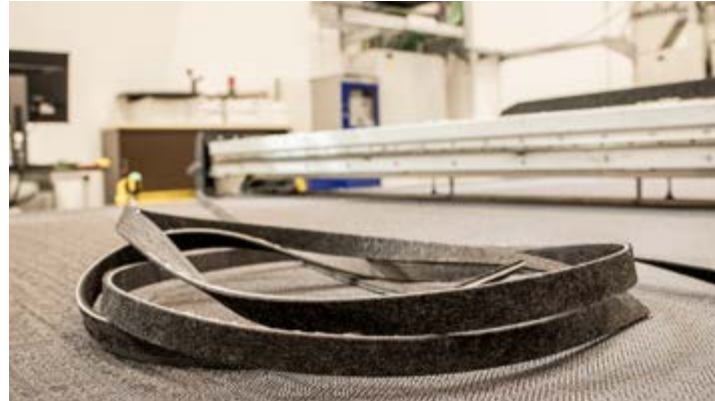
OFFICE
HOSPITALITY
IN-STORE

You can find ntgrate worldwide

A staircase in a club in Finland, an airport in France or a meeting room in Paraguay. Our **maintenance-friendly solutions** feel at home everywhere. Thanks to the **unique product advantages**, the **ecological and sustainable nature** and the **long life** of our solutions, we are present in a variety of sectors worldwide (pg. 184).

We love to ntgrate!

Meet our benefits



Sustainability

100% locally produced in Belgium. We aim for zero waste and permanently invest in state-of-the-art production tools to make our solutions more sustainable.
→ pg. 25



Acoustics

Our acoustic solutions contribute to comfort. With a reduction of up to 22dB, our Greenfelt flooring is the best solution for your project.
→ pg. 55



Design

To be fully up-to-date with the latest trends in interior design and design, we work with leading designers and trend studios.
→ pg. 67



Multi-purpose solutions

Ntgrate feels at home on your floor, wall or even in your furniture. Together, our acoustic solutions form an absolutely top-notch team.
→ pg. 11



Well Being

Ntgrate floors do not just meet the existing European standards in terms of indoor air quality, we exceed them.
→ pg. 53



Seamability

Play with the laying direction. Do you accentuate the seams or prefer seamless?
→ pg. 86



Brite Lite selection

Discover our 'Brite Lite' selection, our floors with the highest LRV (light reflection value) values.
→ pg. 49



Cleanability

An ntgrate floor is easy to maintain, without the use of detergents.
→ pg. 80



Service

Our advisers are happy to help you. Ask them about our Quick Ship or Brite Lite selection.
→ pg. 90



Samples

Quickly request your favourites at www.ntgrate.eu



Versatile

Playful shapes with different designs and colours. **pg. 75**



Tiles, rolls, ...

Available in rolls, tiles or as klic.



Rating systems

Achieve your BREEAM or LEED certification with ntgrate. **pg. 39**

SUSTAINABILITY
ACOUSTICS
DESIGN

Sustainability is in our DNA.

At ntgrate, we want to actively contribute to a sustainable future. We are committed to recycling, caring for the environment, and reducing our carbon footprint. Our efforts are visible in everything we do.

Through sustainable business, we aim for zero waste:
reduce, recycle, reuse !

We love to ntgrate!



Noble Willem

SUSTAINABILITY
ACOUSTICS
DESIGN

Durability

All ntgrate floors comply with **level of use class 33**. The floors are suitable for intensive use in commercial areas. They are 100% dimensionally stable, wear- and colour-resistant, water impermeable, and suitable for the use of chairs with castors.

Our production is vertically integrated. This way, we are always sure of the quality and appearance of our floor and wall coverings.

- 100%** of our woven solutions are **thermofixated**.
- 100%** **durable in both directions** thanks to our dense, square weave structure.
- 100%** **dimensionally stable** by fibreglass reinforcement on yarn and underlay.
- 100%** of our solutions are **Bfl-s1**.
- 100%** of our solutions comply with **level of use class 33**.
- 100%** of our woven top layer is attached to the backing by thermal, mechanical and chemical anchoring: **highly wear-resistant**.
- 100%** of our yarn is both **thermally** as **chemically** anchored to the fiber core: **highly abrasion-resistant**.
- 100%** **stain-resistant** due to our dense weave structure.
- 100%** **waterproof** thanks to the integrated barrier.
- 100%** **anti-bacterial**.
- 100%** **colourfast and stable** thanks to our own ntgrate production technology.



Our 100% commitment

- 100%** local production. Made & designed in Belgium.
- 100%** of our floors contain recycled material. We aim for zero waste (reduce, recycle, reuse).
- 100%** of the energy required comes from renewable sources and our own solar panels.
- 100%** free of phthalates and heavy metals. REACH compliant and 100% safe.
- 100%** of rainwater is collected and sustainably reused.
- 100%** focused on developing acoustic solutions (pg. 55).
- 100%** of the light reflection values of all our floors are known (pg. 49).
- 100%** investment in innovative technology.
- 100%** permanent quality assurance (ISO 9001).
- 100%** maintenance friendly (pg. 80).
- 400%** lifetime. Our floors are designed to last up to 4x longer than classic textile floors !

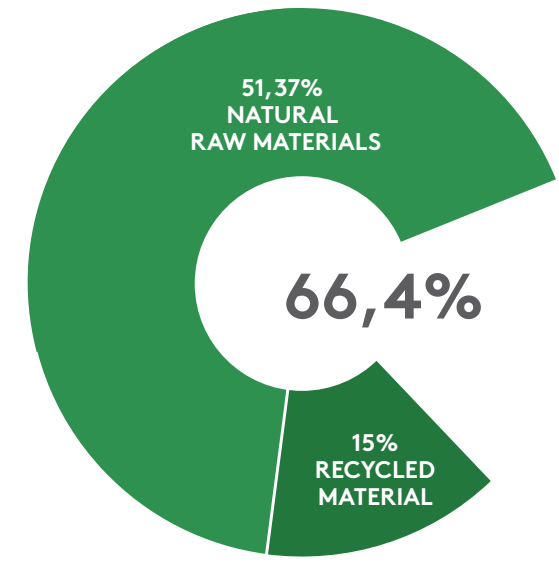
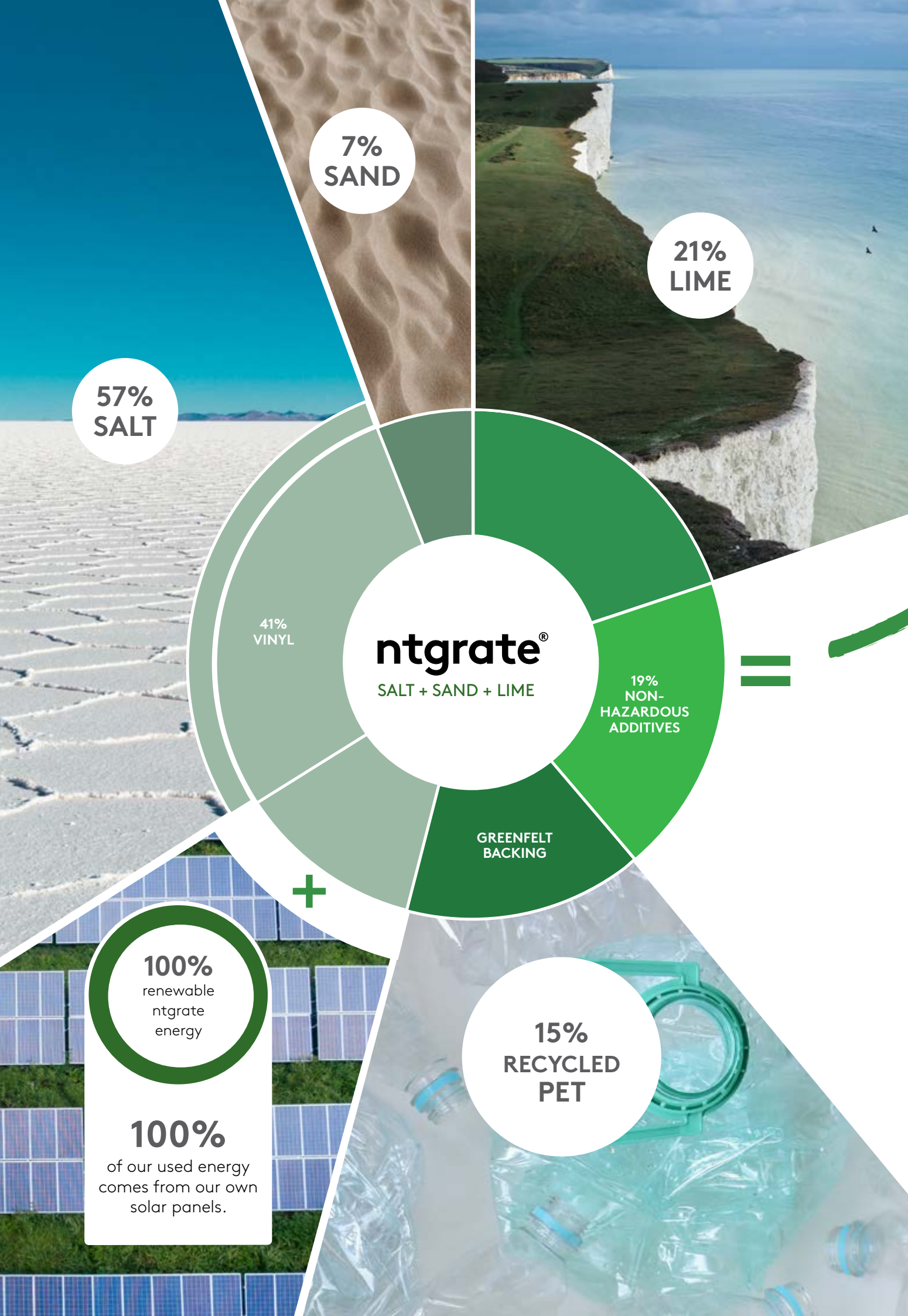
SUSTAINABILITY
ACOUSTICS
DESIGN

Responsible Manufacturing

At ntgrate, we believe in a sustainable future. This is why we resolutely and exclusively opt for sustainable investments. Weaving our **high-tech vinyl multipurpose solutions** happens at our BREEAM-certified headquarters in Kortrijk (BE). In everything we do, we continue to innovate. We are therefore investing in the latest technologies in production, logistics and energy, focusing on **circular construction**.

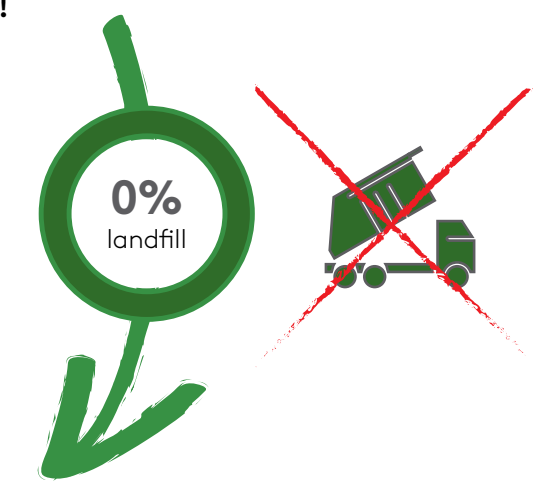
We limit the use of non-renewable resources. Our high-tech glass fibre core floors consist of vinyl made of 57% chlorine (salt derivative). Other constituents are sand and lime. This differs from other plastics that rely entirely on non-renewable resources such as oil or gas.

Let's ntgrate!



66,4%
of our solutions come from natural raw materials or from recycled material

Let's ntgrate!



100%
of our waste is recycled at authorized partners.

Let's ntgrate!



100%
Ntgrate is 100% recyclable and is used in road plates, among other things.

Let's ntgrate!

100%
of our used energy comes from our own solar panels.



SUSTAINABILITY
ACOUSTICS
DESIGN

100%
production waste
recycled

Recyclability

New technologies allow us to be increasingly careful and economical with our used raw materials. We are committed to circular and state-of-the-art sustainable solutions to produce ever more environmentally friendly products. In our production processes, we continuously increase the amount of recycled material.

In addition, ntgrate is permanently integrating the **'reduce, recycle, reuse'** principle.



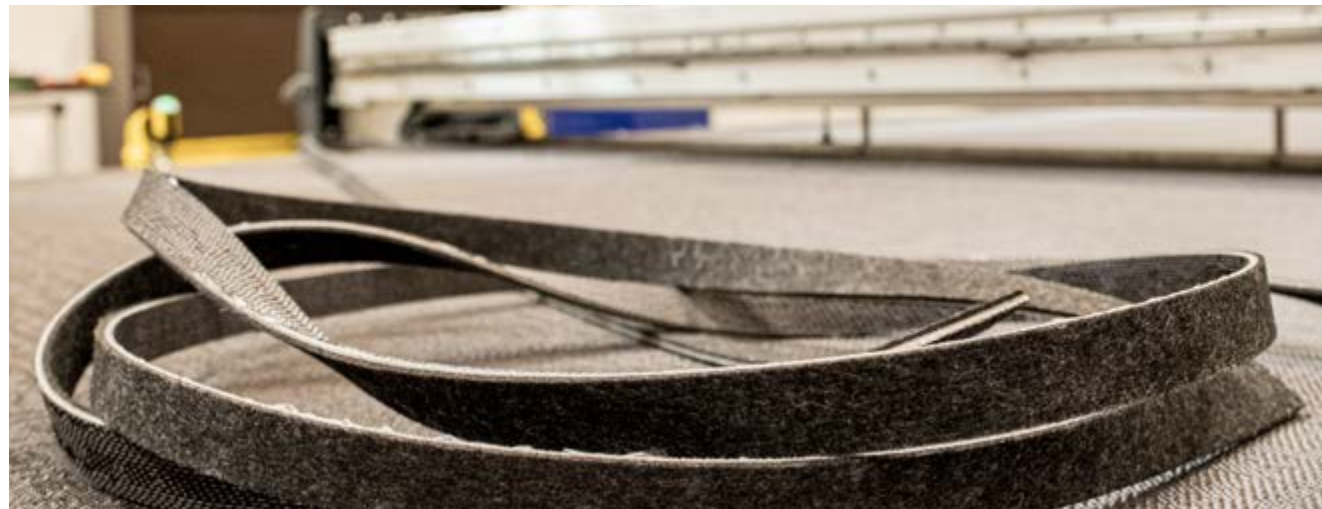


Reduce

At ntgrate, we develop woven vinyl-based solutions that look good (and thus increase the architectural value of a building), but are also functional. In this way, our solutions improve users' living and working environments.

Our ambition is to do so with a **minimal impact** on nature and its available resources. We systematically scrutinise all our production processes to further **reduce the use of raw materials**.

We strive for **zero waste** and are constantly looking for technical innovations to make this possible.



100%

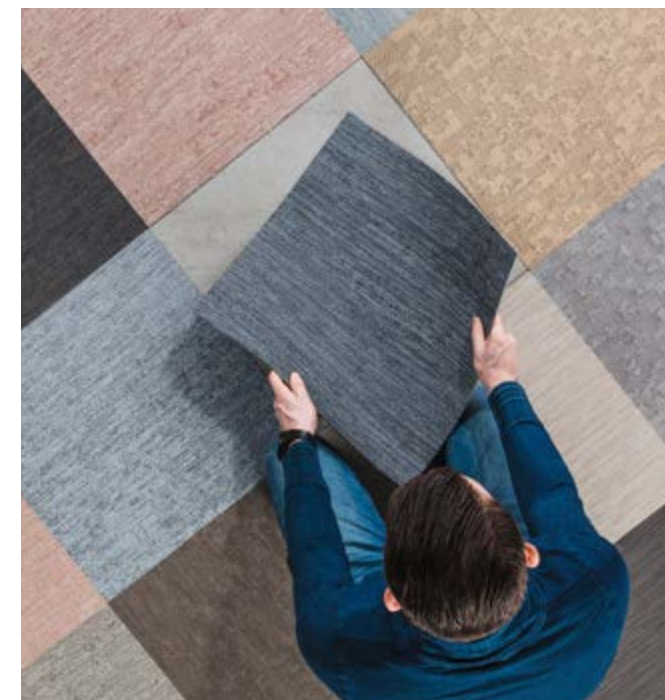
- Cutting waste reduced to an absolute minimum
- New generation of Greenfelt tiles: 33% weight reduction
- Use of rainwater
- Use of solar energy (reduction of 250 tonnes of CO₂ per year)
- Heating and cooling by geothermal energy
- Use of wind energy

Recycle

We aim to reduce the waste from our production to 'zero waste'. In addition, we give our cutting and production waste **a second life**. Avoiding unnecessary waste disposal by landfill or incineration.

We not only collect our own waste, but also encourage our partners (such as floor installing companies and contractors) to collect their **residual waste in microbins**, which they can return to us. We recycle that collected waste and reuse it in numerous products.

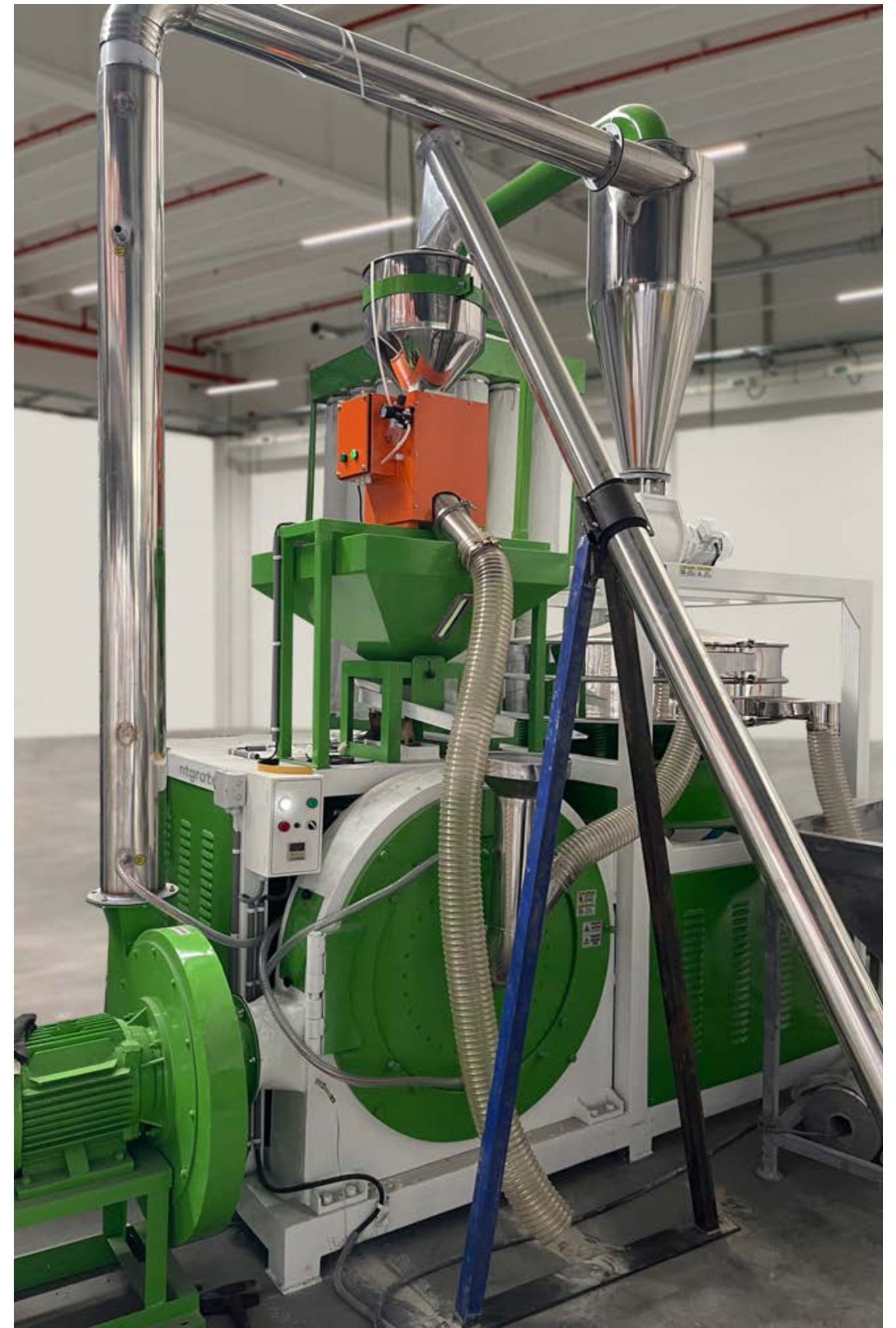
To ensure that raw materials are recycled correctly, we only work with **registered and professional recycling centres**.



Reuse

Used ntgrate tiles can be taken back, 'reused' and thus live a 2nd life!

Tiles can be reused after recovery and sorting.





SUSTAINABILITY
ACOUSTICS
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Rating systems

Measuring is knowing. We can effectively prove our sustainability efforts through our achieved certificates.

So you can be sure that your ntgrate floor is produced sustainably and that we not only meet, but often exceed, applicable environmental and air quality standards.

We believe in the principle of 'walk the talk' and like to set a good example ourselves. We achieved the BREEAM excellent score (pg. 46). A key element here was the integration of ntgrate flooring and acoustic wall solutions.





SUSTAINABILITY
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14 BREEAM credits

BUILDING RESEARCH ESTABLISHMENT ENVIRONMENTAL ASSESSMENT METHOD

BREEAM is the certification method for a sustainable building. Our offices and production are BREEAM-certified. They exceed applicable national standards in terms of sustainability and environmental impact. The BREEAM (Building Research Establishment Environmental Assessment Method) certification system assesses the overall concept of the building as a quality label. It specifies 10 main categories on which the building is assessed. Credits are awarded for each category and weighted to generate a final score for the building - the final rating can range from "satisfactory" to "exceptional".

At ntgrate, we are proud that we can advise you (as one of the first Belgian flooring brands) to achieve your BREEAM certification.

You can achieve as many as 14 BREEAM credits with our flooring solutions. That feasibility was analysed and confirmed by an independent and qualified engineering firm.

category	item	credits
Health and well-being	HEA2 - Indoor air quality	2
	HEA4 - Thermal comfort	1
	HEA5 - Acoustic performance	1
Management	MAN2 - Cost and planning life cycle	1
	MAN4 - Commissioning and handover	1
Energy	ENE1 - Reducing energy and carbon consumption	1
Materials	MAT1 - Environmental impact during the life cycle	3
	MAT5 - Designed for durability (robust materials)	1
Waste	WST1 - Waste management on the construction site	1
	WST4 - Special finishing	1
	WST6 - Functional adaptability	1
Total		14




SUSTAINABILITY
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12 LEED credits

LEED stands for Leadership in Energy and Environmental Design, originates from America and determines the sustainability performance of a building.

LEED categories are specified in 9 different main topics, with multiple credits, on which the building is assessed. The LEED certification process uses a point system to determine the environmental benefits of a building.

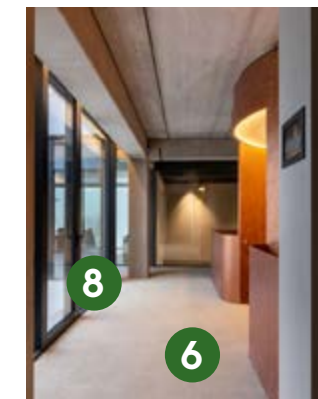
There are different rating systems for homes, commercial buildings, interior renovations, schools, community facilities and other construction projects.

By using ntgrate floors, 12 LEED credits can be achieved.

category	item	credits
Energy & atmosphere (EA)	Optimising energy performance	1
Materials and resources (MR)	Building life cycle - Impact reduction	2
	Disclosure and optimisation of construction products - environmental product declarations	1
	Disclosure and optimisation of construction products - raw material procurement	2
	Disclosure and optimisation of products construction - materials used	2
Quality of the indoor environment (EQ)	Low-emission materials	1
Waste	Indoor air quality assessment	2
	Acoustic performance	1
Total		12

The background of the image is a dense, repeating pattern of green ferns. The ferns are in various shades of green, from a deep forest green to a lighter, more vibrant green, creating a textured and naturalistic backdrop. The text is centered over this pattern.

Lead by example



SUSTAINABILITY
ACOUSTICS
DESIGN

Lead by example

BUILDING RESEARCH ESTABLISHMENT ENVIRONMENTAL ASSESSMENT METHOD

As a quality label, the BREEAM certification system assesses the overall concept of a building. It uses 10 main categories in its assessment. Our offices and production are BREEAM certified. All BREEAM measures are above-standard and voluntary. The ntgrate buildings far exceed prevailing (inter)national regulation in terms of sustainability and environmental impact.

Achieve 14 BREEAM credits with ntgrate (pg. 41).

- 1 Energy** Our production and buildings are energy efficient. The energy required comes from our own solar panels or renewable sources.
- 2 Daylight** We make maximum use of daylight in our offices and production. Our own ntgrate floor and wall coverings contribute to this.
- 3 Rainwater** We systematically collect rainwater and redeploy it sustainably.
- 4 Logistics** Ntgrate designs, manufactures and stocks everything locally. We avoid unnecessary transport.
- 5 Smart LED** Smart lighting with daylight detection.
- 6 Acoustics** Our own offices are of course equipped with acoustically damping ntgrate woven vinyl floors and walls.
- 7 Ventilation** Optimised to ensure good air quality with natural ventilation.
- 8 Light reflection** Thanks to the combination of daylight and ntgrate floor covering with high light reflection, use of artificial light in the offices is hardly necessary.



Noble Benjamin

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Brite Lite selection

The Light Reflectance Value or LRV indicates the extent to which light reflects from a surface. A lighting designer uses those LRV values to select the most appropriate lighting. This is important because in an office environment, lighting accounts for half of the total energy consumption. Smart interior design therefore offers direct economic and environmental benefits.

After testing by an accredited test centre, we made our Brite Lite selection. Our ntgrate flooring solutions with the highest LRV score.

On the next 2 pages you will discover our Brite Lite selection.

Brite Lite selection

brave



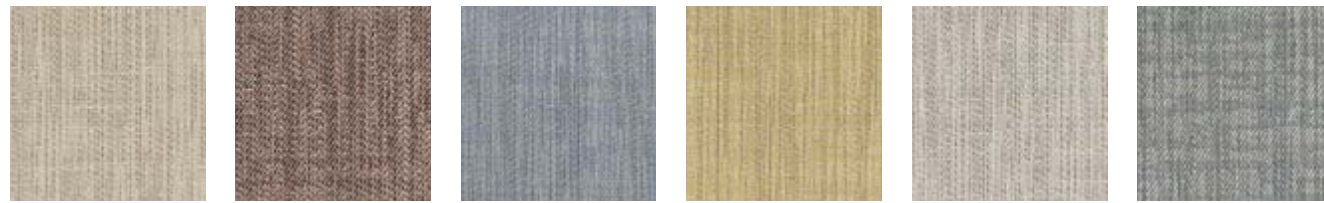
Luce LRV 25,0 Charles LRV 24,8 Sam LRV 23,5

crisp



Peter LRV 20,7

fair



Alice LRV 42,2 Amber LRV 21,3 Astrid LRV 30,8 Aurelie LRV 33,4 Aurore LRV 43,9 Celine LRV 24,3



Dahlia LRV 29,2 Ella LRV 32,0 Florence LRV 28,2 Gwen LRV 43,6 Helena LRV 44,1 Jasmin LRV 42,2



Laura LRV 32,4 Liam LRV 33,9 Lucas LRV 41,3 Myrthe LRV 36,3 Naomi LRV 30,8 Noah LRV 27,0



Pia LRV 22,0

gentle



Ellis LRV 28,0 Oliver LRV 25,1

noble

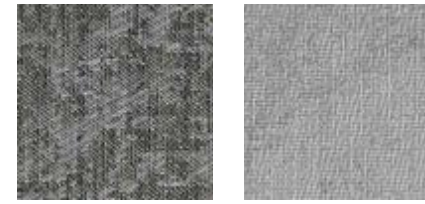


Benjamin LRV 27,3 Sylvère LRV 26,4 Jacqueline LRV 24,9 Lily LRV 21,6 Madeleine LRV 20,5 Mulan LRV 32,1



Theodore LRV 27,3 Willem LRV 27,7

sage



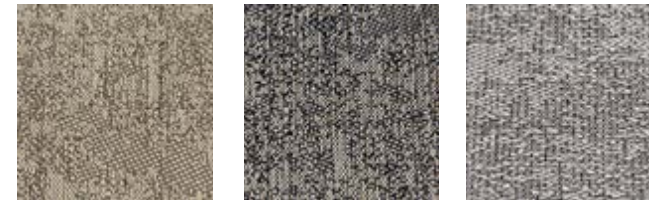
David LRV 21,1 Octavie LRV 38,7

shy



Fee LRV 49,2 Nina LRV 26,2

strong



Lea LRV 27,9 Andreas LRV 21,6 Luca LRV 25,0

sharp



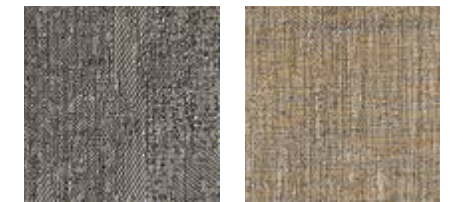
Blanca LRV 24,6 Claire LRV 36,5 Pearl LRV 43,7

soft



Daniël LRV 21,8 Sophie LRV 41,9 Tess LRV 31,3

wild



Leon LRV 22,4 Julia LRV 26,1



Fair **Aurore**

SUSTAINABILITY

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Well-being

Our ntgrate flooring contributes to a healthy living and working environment.

ASTHMA & ALLERGY

Ntgrate floors outperform standards imposed by Europe on indoor air quality. Volatile organic components (VOCs) emissions are also well below the existing standard.

NO HAZARDOUS MATERIALS

Our products contain no additives such as phthalates or heavy metals.

HYGIENE

In addition, our floors are very easy to maintain. Cleaning is done simply with water, without detergents. (pg. 80)

ACOUSTICS

We are always surrounded by sound. This often creates distractions and stress.

Good acoustics = better health and increased productivity (pg. 55) !

COLOUR

What is your 'colour of wellbeing'? The right colour for the right mood. Get calm with our Fair Dahlia or go for passion with Fair Suri. Colour also affects your mood.

CERTIFIED

Experience for yourself how ntgrate can contribute to your well-being, by visiting our

Experience Centre in Kortrijk (BE) (pg. 188).



Greenfelt 22db.

- the natural eco layer -

Shy **Fee**

SUSTAINABILITY
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Acoustics

An environment where employees can work productively and happily hinges on acoustics. There is no miracle cure for that: good acoustics is an interplay of different elements. As an (interior) architect, you want to be able to address these as early as the design phase. Because the client or end user expects you to provide an integrated total solution. By the way, acoustics have a direct impact on your well-being.

We love to ntgrate!

Elements for good acoustics

Managing reverberation and speech intelligibility

Modern, sleek architecture may be 'in', but in terms of reverberation, it is often pernicious. Reverberation is a result of too little acoustic absorption. It is important to use enough absorbent materials in a room to complement hard materials such as glass and concrete. This allows you to limit the reverberation time in offices and meeting rooms to 0.8 seconds. A higher reverberation time affects a speaker's intelligibility.

Sound insulation

The 'open plan' office has been a trend for a number of years. In such a concept, as little sound insulation as possible is needed. That there are (almost) no barriers would be better for communication and team spirit. In reality, the productivity of office workers in such an open office is easily up to 40 percent lower than employees working in a more discrete environment. That insight caused a lot of architects and executives to abandon the 'open plan' concept. They are more than ever conscious of the importance of excellent sound insulation, especially when employees need to be able to concentrate or have confidential conversations.

Background noise control

The background noise - from ventilation, for example - should not be too loud, as it provokes irritations. On the other hand, too little noise also has a downside: if it is too quiet, you are more easily disturbed by others and lose some of your privacy. You cannot consciously hear the ideal background noise; nor can you pinpoint exactly where it is coming from.

Layout and acoustic sightlines

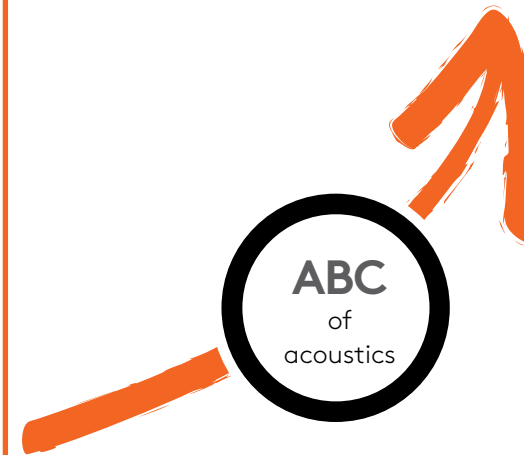
A sound source, including human speech, comes across as more disturbing when you see the source. At the same time, it is important that interaction is possible, both visually and aurally. Partitions between furniture can be a solution, especially for larger workstations with several people. They can limit sightlines and still allow employees to interact with each other. A thorough study of the office layout is a great asset to reconcile those elements.

Look-and-feel

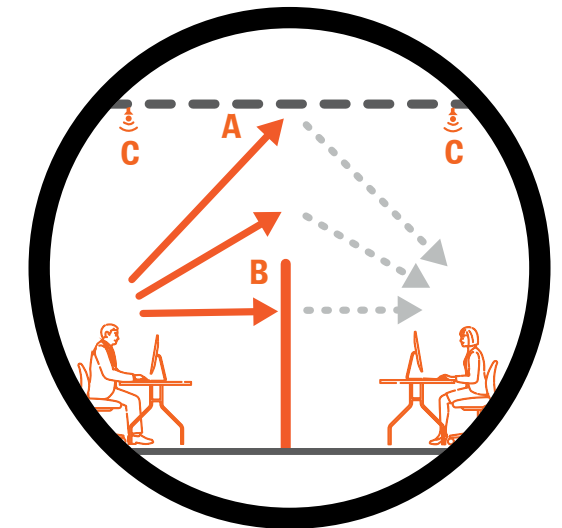
The decoration of offices and meeting rooms - think of furniture, walls and floor - is often very clean. In a professional setting, that sounds positive, but at the same time it also has the connotation of 'cold'. In a too-clean office, employees and customers do not want to stay a minute longer than necessary.

Do not underestimate the influence of the look-and-feel on the acoustic well-being of your employees. Office workers in a tight, clean environment are more likely to pick up intelligible speech from others than in a warmer environment. How an office looks also determines its corporate image. So base your choices on those of the (acoustic) design engineer as well as on the insights of the interior designer.

Absorb Block Cover



The first three elements, the 'hard' acoustic aspects are sometimes called the ABC of acoustics. These stand alongside the two 'soft' or 'psychoacoustic' aspects.



ntgrate acoustic solutions

- deafeningly quiet

Ntgrate is constantly looking for acoustic solutions and responds to aspect A (absorption) with its multi-purpose solutions. A good acoustic space is determined not only by the floor covering but equally by the wall and ceiling solutions, furniture, lighting,.... As an integrated solution, ntgrate offers multiple products contributing to good acoustics. We are a trendsetter in acoustic design solutions based on woven vinyl.

1. Flooring

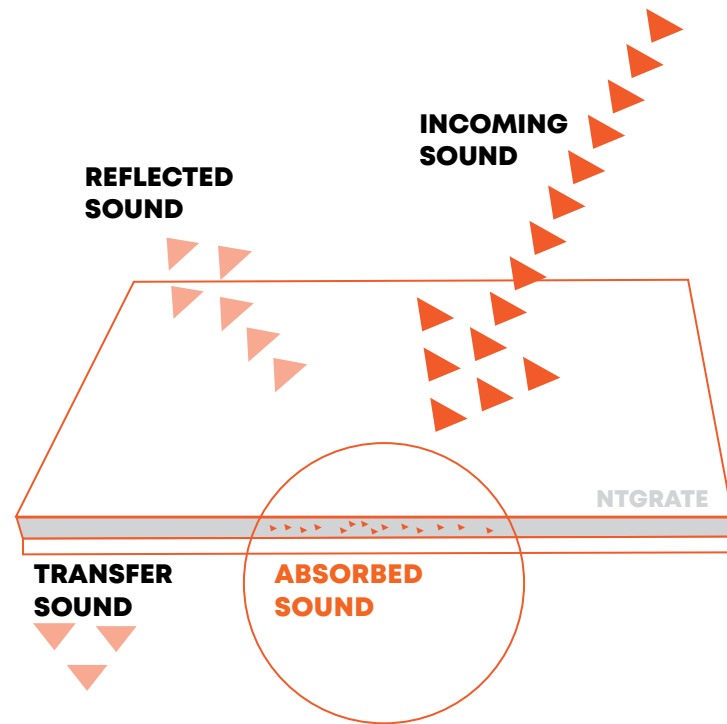
Good acoustics in floor coverings are determined by the combination of absorption, impact sound reduction and drum sound (walking noise). For this, ntgrate always looks for the best possible acoustic values based on sustainable and recycled products.

Greenfelt

Our innovative floor with ecological backing is made of recycled material. The high-tech Greenfelt backing is a must for an optimal sound experience. Echo and reverberation are reduced and footsteps optimally muffled.

Absorption (ISO 354)

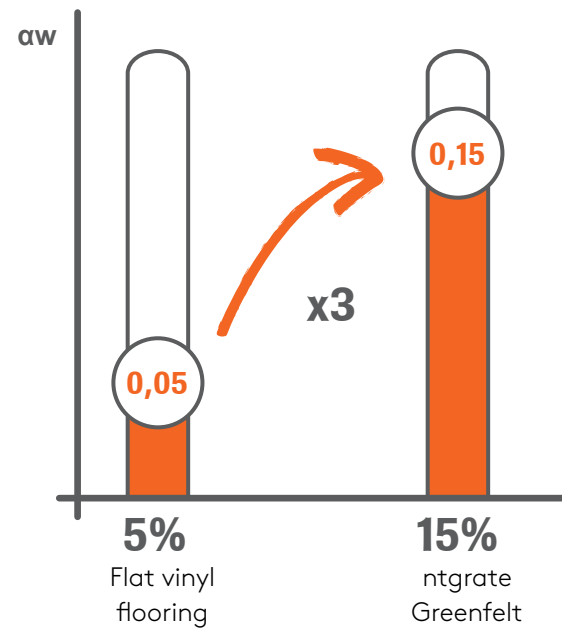
15%
absorption



Due to the textile structure of the ntgrate floor covering, a high acoustic absorption value of 0.15 (15%) is achieved. That is **300% more** sound absorption than conventional flat vinyl flooring.

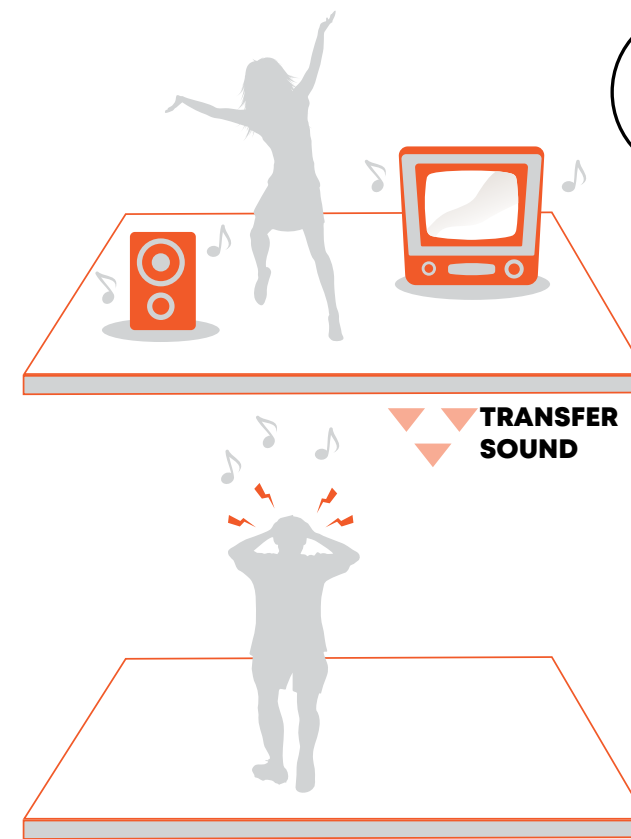
TIP !

Combined with our acoustic wall solutions, you achieve even higher acoustic absorption in a room.

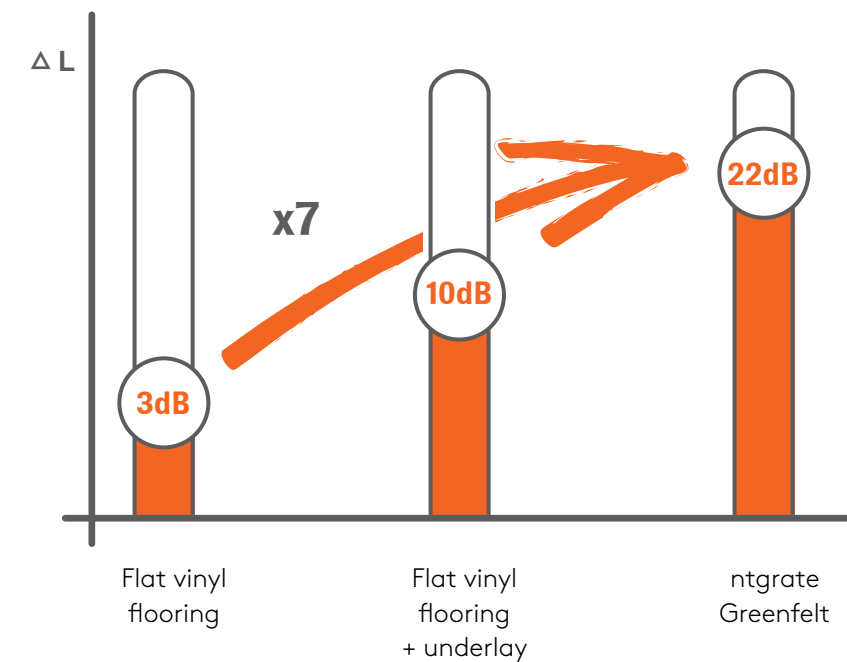


Impact noise reduction (ISO 10140-3)

22dB



Impact sound is the sound you perceive in the underlying space. Ntgrate offers you its Greenfelt acoustic solution with an impact sound reduction of up to 22dB. With a height of just 5.2 mm. The Soft (CORE) collection comes with an acoustic backing of 22 dB as standard and is part of the ntgrate Quick Ship range (pg. 90)



Walking sound (EN16205)

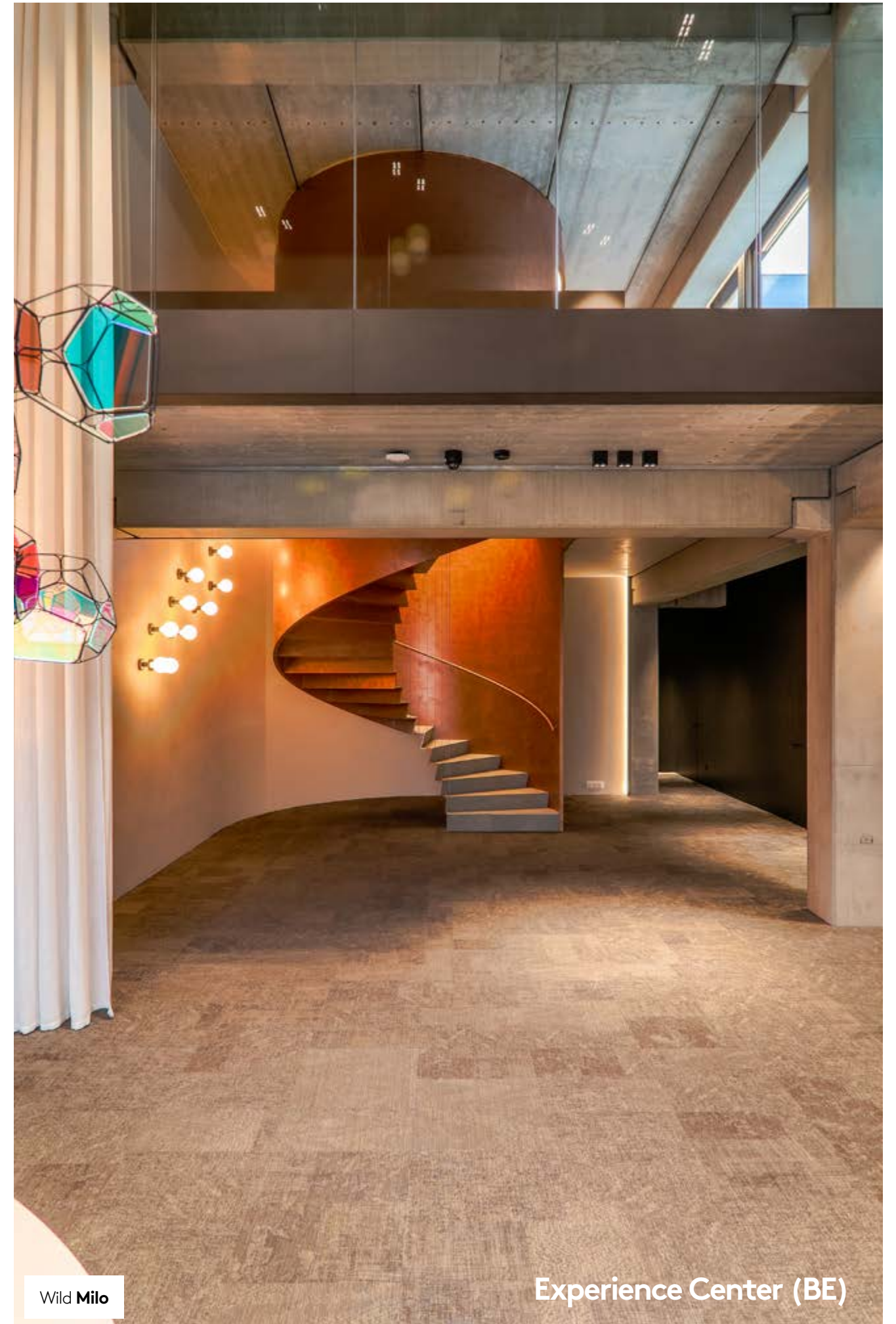
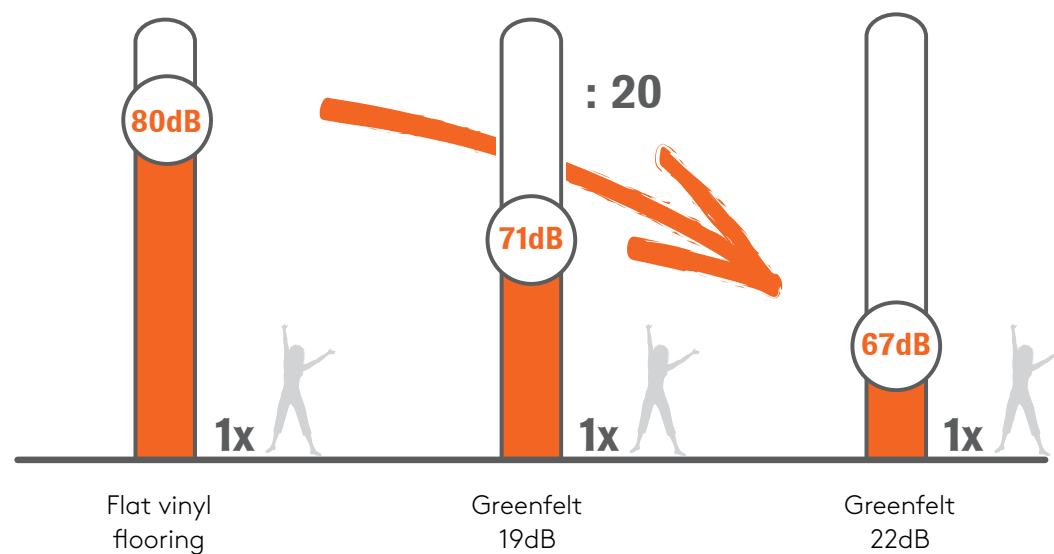
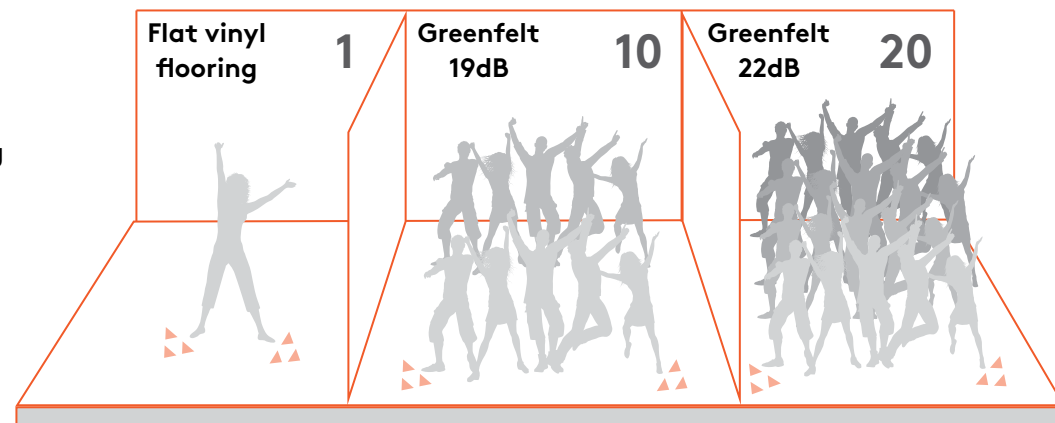


Ntgrate pays special attention to the walking sound on Greenfelt flooring. An often underestimated and forgotten acoustic value with regard to floor coverings. Nothing more annoying than the sound of footsteps throughout a hotel, shop or office environment.



Our standard available Greenfelt range reaches a value of 67dB for walking noise. Not to be underestimated considering noise is a logarithmic value. Every 3dB means a halving of perceived noise, or doubling of comfort. This means that on our Greenfelt 22dB 20 people produce the same sound as 1 person on a conventional flat vinyl floor covering.

Number of people creating the same amount of walking noise (80dB in this example) :



Wild Milo

Experience Center (BE)

2. Acoustically absorbing wall panels

A good acoustic floor covering is a wise investment, but is often insufficient to make an (office) space acoustically pleasant. Ntgrate provides the total solution by marketing acoustic products in woven vinyl that add value both on an acoustic level and on a design level. You can experience our integrated solution in detail at our Experience Centre in Kortrijk (BE).

Create a unique overall experience with ntgrate **acoustic wall panels**.

The woven top layer gives them a unique look and, together with invisible perforations, provides a **perfect sound absorption absorbing 90% of sound** (α -value 0,9).

The panels are only 1 cm thick but absorb sound perfectly! Their reduced thickness makes them easy to apply.

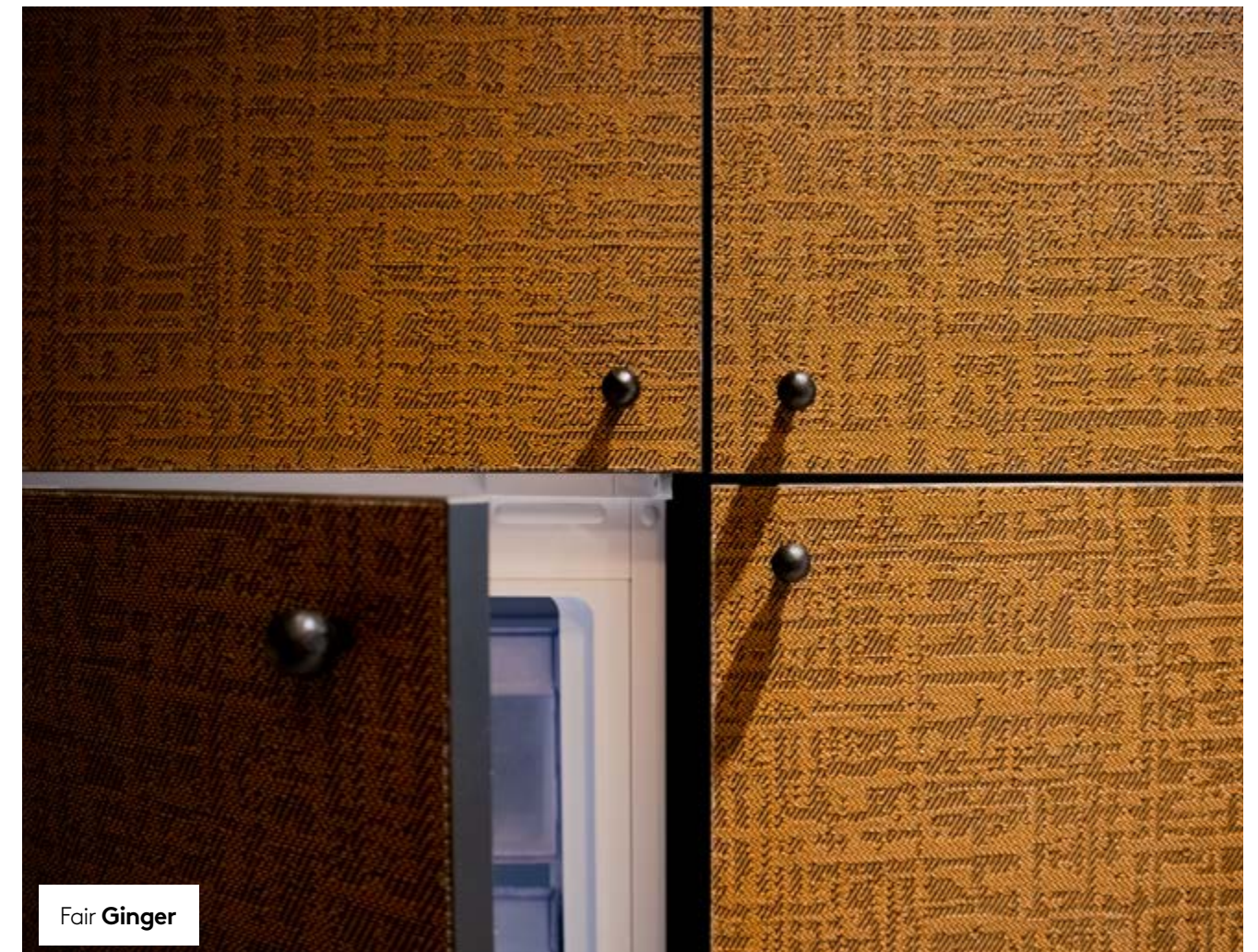
Another plus: they are **impact-resistant** and **washable**.

Available at 3.03 metres high and 0.64 metres wide.



3. Acoustically absorbing door panels

Think outside the box and use our acoustic panels as door panels. You immediately achieve a beautiful acoustic solution and with a unique design effect. The doors are washable and impact-resistant and allow for ventilation. Also suitable for e.g. hiding audio or kitchen equipment.



4. Lighting

Do you desire a combination of lighting, acoustics and design, where your lighting helps absorb sound? Ntgrate can help. We are happy to integrate our acoustic solutions into e.g. the designer lighting below.



ZUMI light and acoustics

Ask our advisers about our acoustic applications.

Let's ntgrate!



Shy ntgrate

Experience Centre (BE)

SUSTAINABILITY
ACOUSTICS
DESIGN

Design

With ntgrate, you push your limits. It makes sense, because at the heart of our solutions is a boundless search for inspiring trends. Want an innovative floor? Then, above all, look outside the lines.

Our designers and technicians sat down with trend watchers, fashion designers and colour experts. They drew inspiration from all over the world: from retro photography in Berlin to modern art in New York. The result? An extensive collection of floor coverings with distinct shapes, colours and characters.

As an architect or client, you can see the patterns and combine colours as you like, tailored to your project.

TRIBE | CLAN | CREW | CORE

We love to ntgrate!

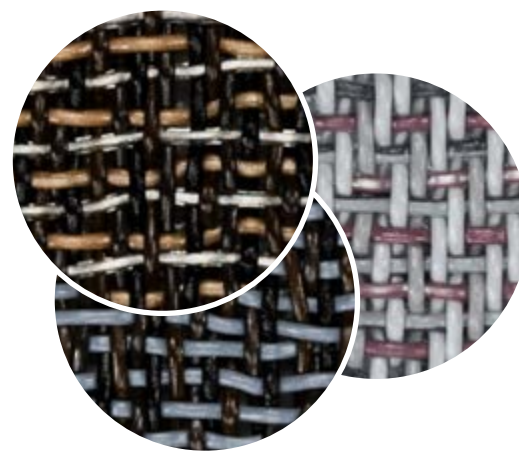


Fair Amber

SUSTAINABILITY
ACOUSTICS
DESIGN

Our design secret

Ntgrate not only tracks trends but also creates them.
Our designs are jacquard-woven, organic patterns inspired by natural elements.
Straightforward, timeless, organic, natural or wild.



Our **equal distribution between warp and weft** allows for an **infinite number of creative possibilities**.

Equal distribution also ensures the same wear resistance in both directions, regardless of the walking pattern in a room.

Colour

This equal distribution allows ntgrate to weave colours that are warp- or weft-dominant. Combined with the pattern, we thus create, in addition to the traditional, neutral colours, a **large variety of full and rich colours**.



Thanks to our on-demand and in-house exclusive Masterbatch programme, we customise your colour!

SUSTAINABILITY
ACOUSTICS
DESIGN

Collections

Our new collection is based on contemporary and future trends. We already created 4 'moods' with matching colours and with an endless variety of patterns and laying options. A sort of guide through our more than 100 references. But above all, don't let your creativity be curbed and get to work yourself to make the perfect match for your project.

4 COLLECTIONS : MORE THAN 100 REFERENCES



Tribe

Soft, earthy tones and organic shapes allude to nature. Tribe is in touch with the earth, deeply rooted or reaching for the sun.

Clan



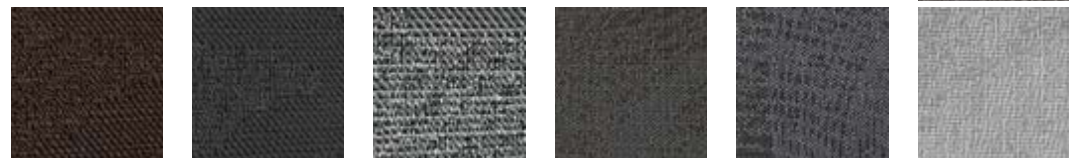
The balanced, soothing beige and grey tones of the Clan range will make you feel totally zen. Serene, calm and with a nice Scandinavian design vibe.



Crew



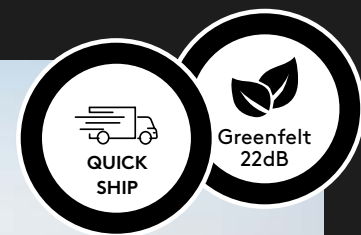
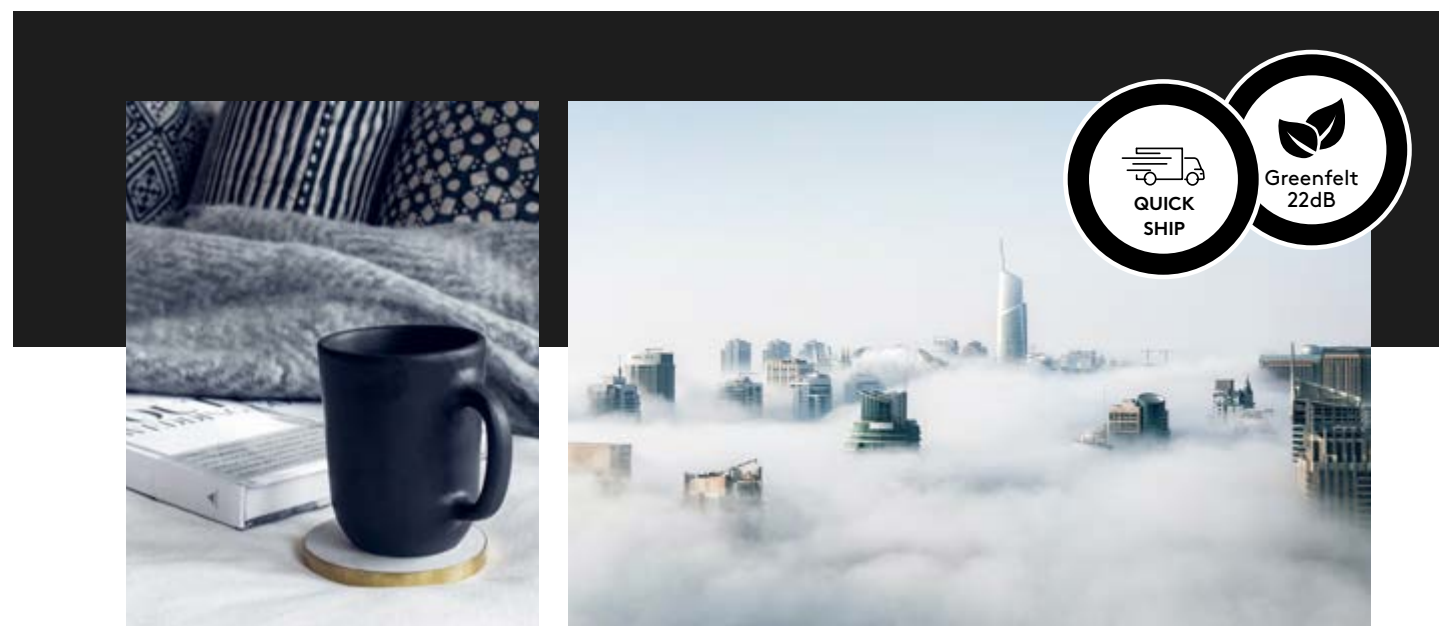
Otherworldly beauty. The Crew collection takes you to another dimension. With misty pearl grey and galaxy lavender. **Space it up!**



Fair **Florence**



Soft **Tess**



Core

Our Core collection is a timeless collection. Always applicable and combinable in contemporary or classic interiors. Be sure to ask about our Quick Ship service when ordering from our Core collection.



Versatile Bean | Fair **Aurore**
 Versatile Bean | Fair **Oceane**
 Versatile Bean | Fair **Melvin**

Cutting shapes

SUSTAINABILITY
 ACOUSTICS
DESIGN

Design

Versatile

Different from usual, that's the least you can say about Versatile. To give your floor extra flair, Belgian designer Gerd Couckhuyt created a collection with 5 unique shapes: from the beautiful Bean to the futuristic Flowerz. Play with the shapes and laying direction until the puzzle fits.

Versatile. Be a rebel!



Star
 ⇄538 mm
 ⚡538 mm



Hex
 ⇄577 mm
 ⚡500 mm



Flowerz
 ⇄749 mm
 ⚡865 mm



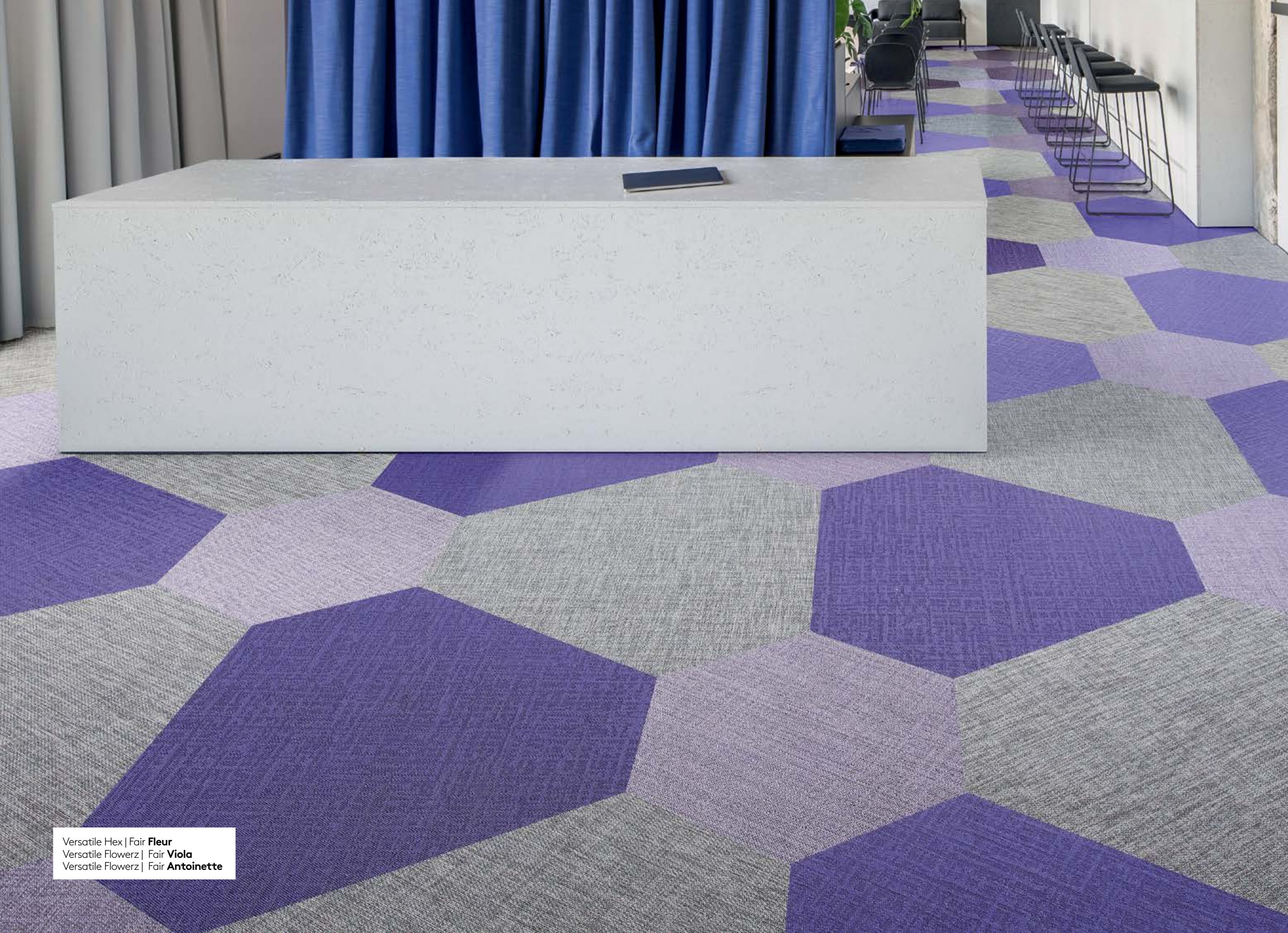
Bean
 ⇄649 mm
 ⚡440 mm



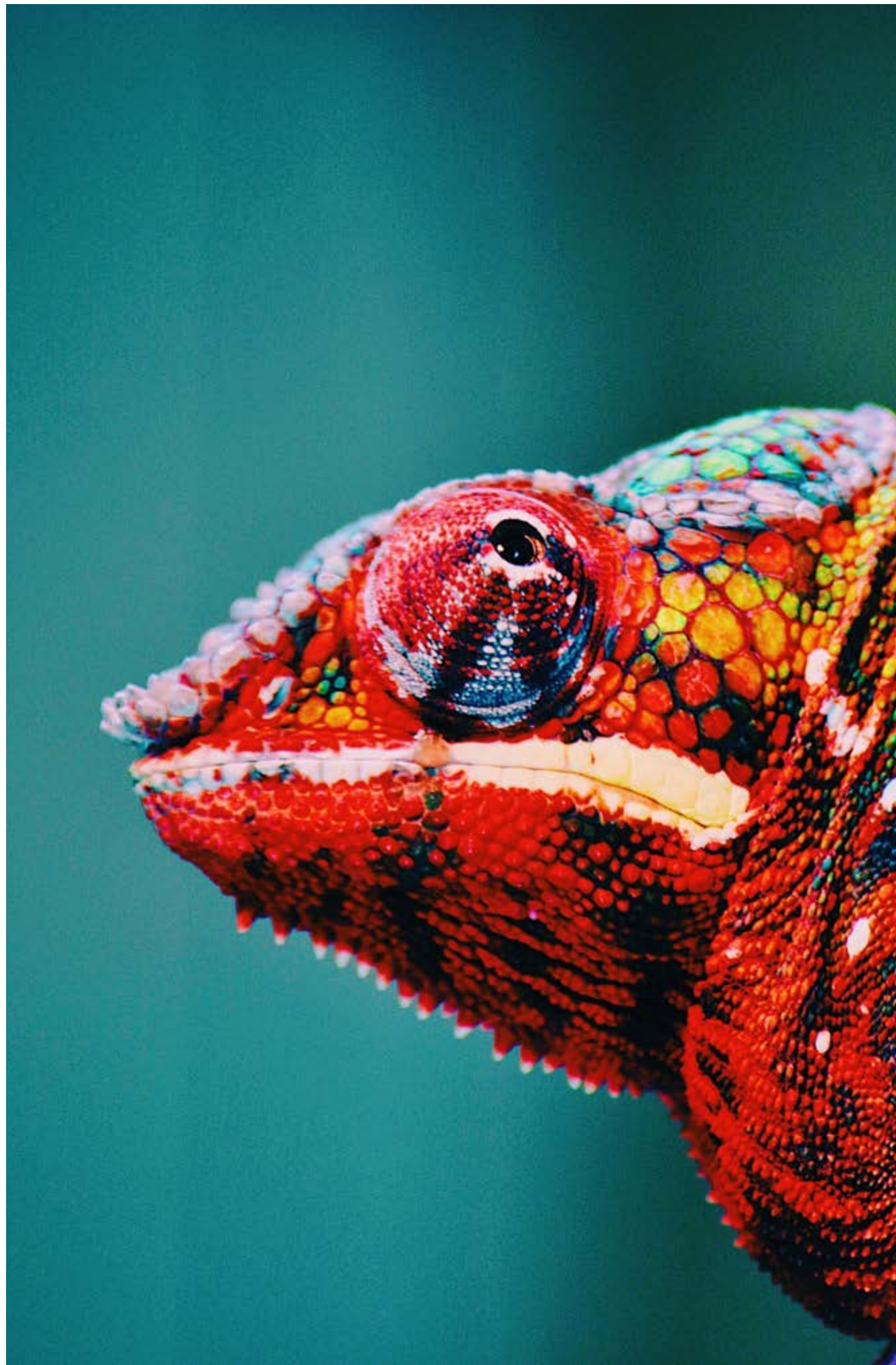
Frame
 ⇄570 mm
 ⚡477 mm



Plank
 ⇄1000 mm
 ⚡250 mm



Versatile Hex | Fair **Fleur**
Versatile Flowerz | Fair **Viola**
Versatile Flowerz | Fair **Antoinette**



SUSTAINABILITY
ACOUSTICS
DESIGN

Be a rebel

David Bowie was lyrical about his rebellion. He encouraged people to go on a journey in their own rebellious corner, and to come back with a rebellious look in their eyes and a head full of ideas and colours. We can totally relate at ntgrate.

Looking for something different from the colours and designs in our range? Then we will make you a **colour on demand**. Jump out of the crowd, realise your dream colour or incorporate your corporate colours into your ntgrate floor or wall covering.

Be a rebel!





Cleanability

Happy and easy cleaning.

Ease of maintenance is a crucial aspect when choosing your floor. No matter how often the floor is walked on, it must stay neat and clean. This is an important reason to opt for woven vinyl flooring.

The structure and composition of an ntgrate floor ensures that it is easy to maintain. The floor is impermeable and extremely sturdy and hard-wearing. This makes the floor highly suitable for both wet cleaning and cleaning with cleaning machines. Stains are easily removed with lukewarm water.

With Hoover, scrubbing brush, water and a minimal dose of stain remover, you perform almost all the maintenance of your ntgrate floor.

A well-maintained floor contributes to perfect hygiene and good air quality.

Let's ntgrate!

Enjoy all the benefits of a comfort floor **but not of the disadvantages** that a textile floor brings with it :

ntgrate		Textile floor
✓	Acoustically superior	✓
✓	Soft look and feel	✓
✓	Luxurious look	✓
✓	Warm walking sensation	✓
✓	Suitable for underfloor heating	✓
✓	Modular*	✓
✓	Suitable for mechanical cleaning	✗
✓	Wet maintenance with water only	✗
✓	No loose fibres after machine maintenance	✗
✓	Colourfast	✗
✓	Cleaning without detergent	✗
✓	Easy stain removal	✗
✓	Remove up to 99% of all dust, bacteria, ...	✗
✓	Antibacterial	✗

* Easy to repair without damage to levelled subfloor using tackifier adhesive

Air quality

We spend more than 85% of our time indoors. However, indoor air quality is worse in quality and contains more air pollutants and allergens. Finer particles penetrate our respiratory system and cause serious damage. Long-term exposure itself can cause cardiovascular disease and cancer. High time to take this into account.



2000/cm³

An average of 2,000 ultrafine dust particles swirl around in each office. Per cm³! This fine dust is harmful to health and leads to respiratory problems, fatigue, headaches, irritation,... On average, you get 2 spoonfuls of fine dust per day as a human being.

How can ntgrate flooring improve air quality?

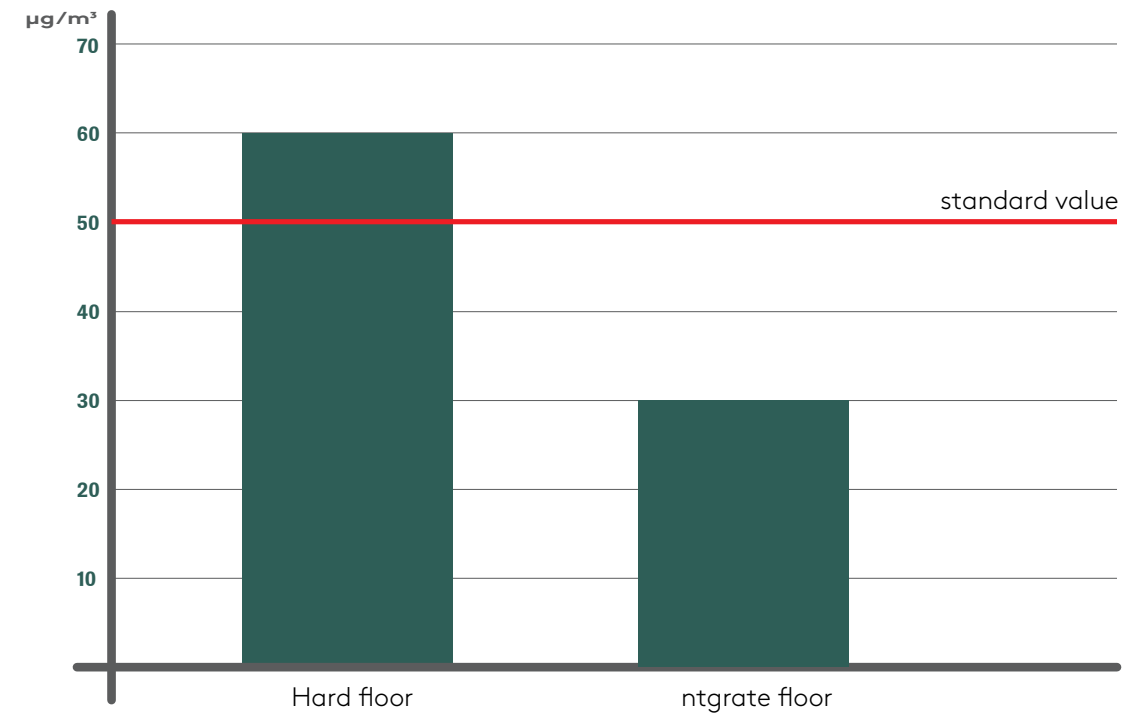


ntgrate woven structure

A ntgrate floor attracts and traps dust. This reduces the inhalation of natural allergens such as house dust mites.

Moreover, all ntgrate solutions are **hypoallergenic and antibacterial.**

The set standard for fine dust indoors is 50 µg/m³. The average amount of fine dust in a hard-floored office is 2x higher than in an office with an ntgrate floor. The predetermined standard is therefore exceeded. Offices with ntgrate flooring score significantly lower and within the norm at 30.4 µg/m³.



Source : Deutsche Allergie- und Asthmabund

An ntgrate floor

- ✓ Hypoallergenic and antibacterial
- ✓ Captures and retains dust
- ✓ Has the lowest emissions in the construction sector (VOCs)
- ✓ Contains no hazardous plasticisers

Correct maintenance

Correct maintenance is your guarantee of increased longevity and perfect hygiene. And your floor retains its beautiful aesthetics and original colour. After all, all our solutions are colourfast.



- 1 Wet dirt** An outdoor carpet/mat catches wet dirt.
- 2 Sticky dirt** A brush zone (if any) removes sticky coarse dirt.
- 3 Dust** A washable dirt trap mat captures residual dust, soil, ...

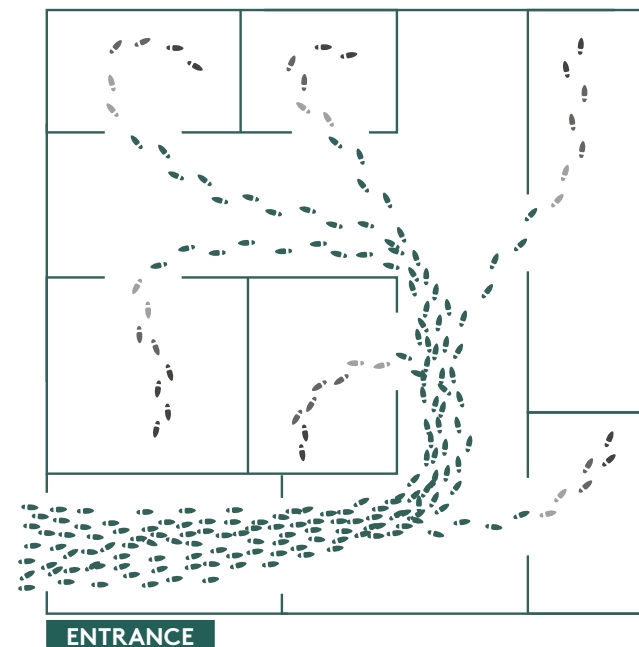
Act proactively!
Invest in a good dirt collection system. This catches up to 85% of dirt. Prevention, despite the ease of maintenance of a ntgrate floor, remains better than cure.

Prevention

Some preventive measures reduce the need for periodic maintenance. Some spaces are used intensively, others less so. It is wise to adjust the maintenance schedule accordingly and implement some preventive measures such as a clean running zone and dirt collection system. In high-traffic areas, you can opt for a darker tile with an irregular pattern.

Traffic intensity

The dirt load depends on the insertion in the building. Zones closer to the entrance require more frequent maintenance. A clean running zone and dirt collection system help keep your office, shop, lobby,...



Cleaning



Daily maintenance

Vacuuming is perfect as daily maintenance. Any stain can be removed immediately and easily with a clean cloth and some water.



Periodic maintenance

In certain situations, thorough mechanical cleaning is required. The interval depends on the dirt load and application.

Thanks to its multi-layer composition, ntgrate 3D woven vinyl flooring does not absorb water and is water impermeable.

category	woven vinyl	textile
Removal of stains	Most stains can be easily removed without detergent.	Frequent thorough cleaning procedure required.
Resistent	No absorption of dirt or liquid due to water-impermeable backing.	Sensitive to dirt
Appearance	Immediate stain removal keeps the floor looking nice and neat even between maintenance sessions.	Thorough maintenance for stain removal is needed : floor looks dirty in intermediate period.
Cost	Less periodic maintenance required.	Requires more frequent maintenance.

Regeneration

A poorly maintained floor? Or dirt after improper maintenance? Not to worry, an ntgrate floor can be restored almost to it's original condition through professional cleaning.



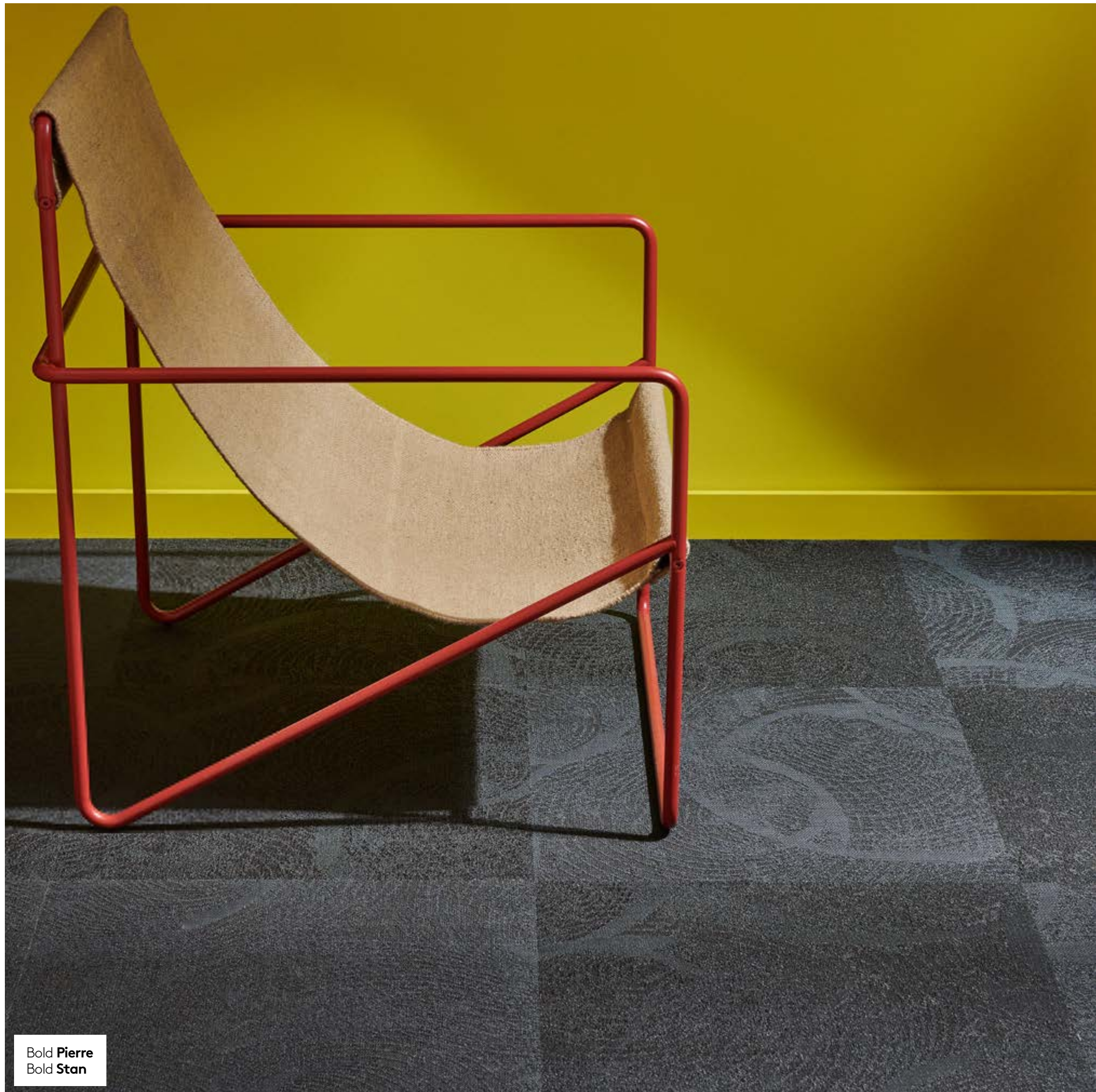
Seamability

Integrate tiles can be laid virtually seamlessly.

Or you might want to accentuate the seams by playing with colour, laying direction and design.

Design know-how to create seamability.





Bold **Pierre**
Bold **Stan**

088



Shy **Fee**

089



Service

With woven vinyl from ntgrate, you have a quality product in your hands (or better: under your feet). We carry out quality checks at every stage of production. This allows us to guarantee perfect colour integrity and years of wear resistance. And of course, with such a top floor comes perfect service.

- **Do you have a question about installation or need technical advice?**

Your permanent contact is always there for you. Your 'ntgrater' follows your project along and has all the know-how. This way, you will be helped quickly and competently.

- **Unsure between two collections or colours?**

Want to know all the technical details? We will gladly provide you with the appropriate samples, specification texts and technical sheets. This way, you can make the right choice informed and be sure of the end result you have always dreamed of.

- **ntgrate also focuses on the continuation of the trajectory**

A smooth and personalised after-sales service.

- **Your guarantee of perfect placement?**

For a hassle-free preparation and perfect installation according to the rules of the art, we are happy to advise you the right certified partners.

- **Proof of our service?**

Our global presence and ever-growing customer base.

Quick ship

Sometimes things have to move fast. And then ntgrate is there for you with a strategic stock of commercial designs and colours. These floors with Greenfelt 22dB backing can be installed seamlessly, are class 33 approved, fire-resistant and score better than the applicable standards.



**What kind
of person
are you?**



Tribe.

Follow your nature.

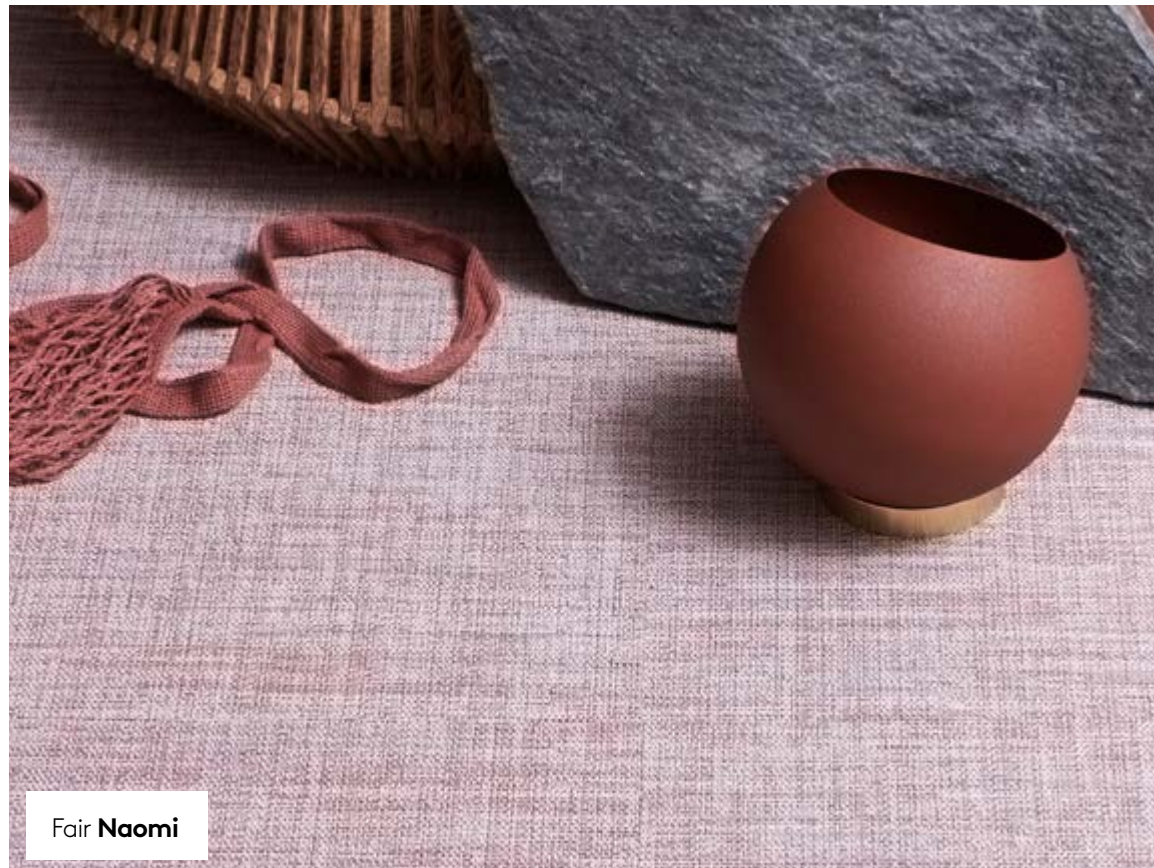
Meet our Tribe. With Tribe, you experience the natural warmth of earthy tones and organic shapes. We lived in the forest for centuries. Deep inside, your soul recognises the patterns and colours of the past.



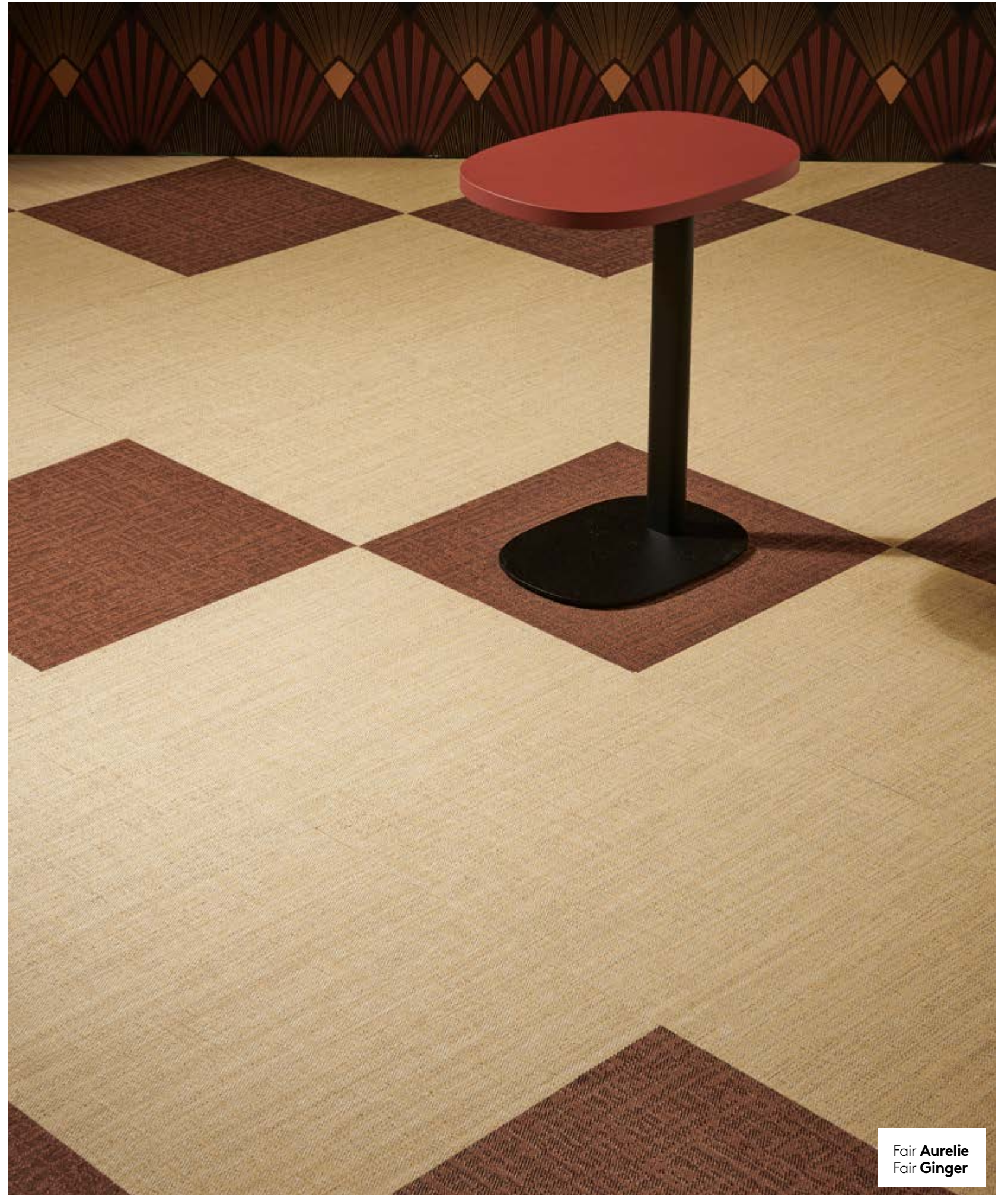
Fair play.

Straightforward and honest. You go straight to the point. Your design is what it is: clearly defined. This subtle grid brings order to chaos.

Fair. I'm straight with a twist.



Fair Naomi



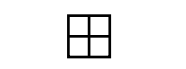
Fair Aurelie
Fair Ginger



Fair **Esmée**
 Fair **Hazel**
 Noble **Melvin**

Meet the fair part of our family.


 2,00
 meter


 50x50
 centimeter

			
Amber	Sienna	Ginger	Arthur
			
Aurelie	Naomi	Lana	Ebony
			
Myrthe	Pia	Chloé	Hazel



hello

**my
name is
Lana**

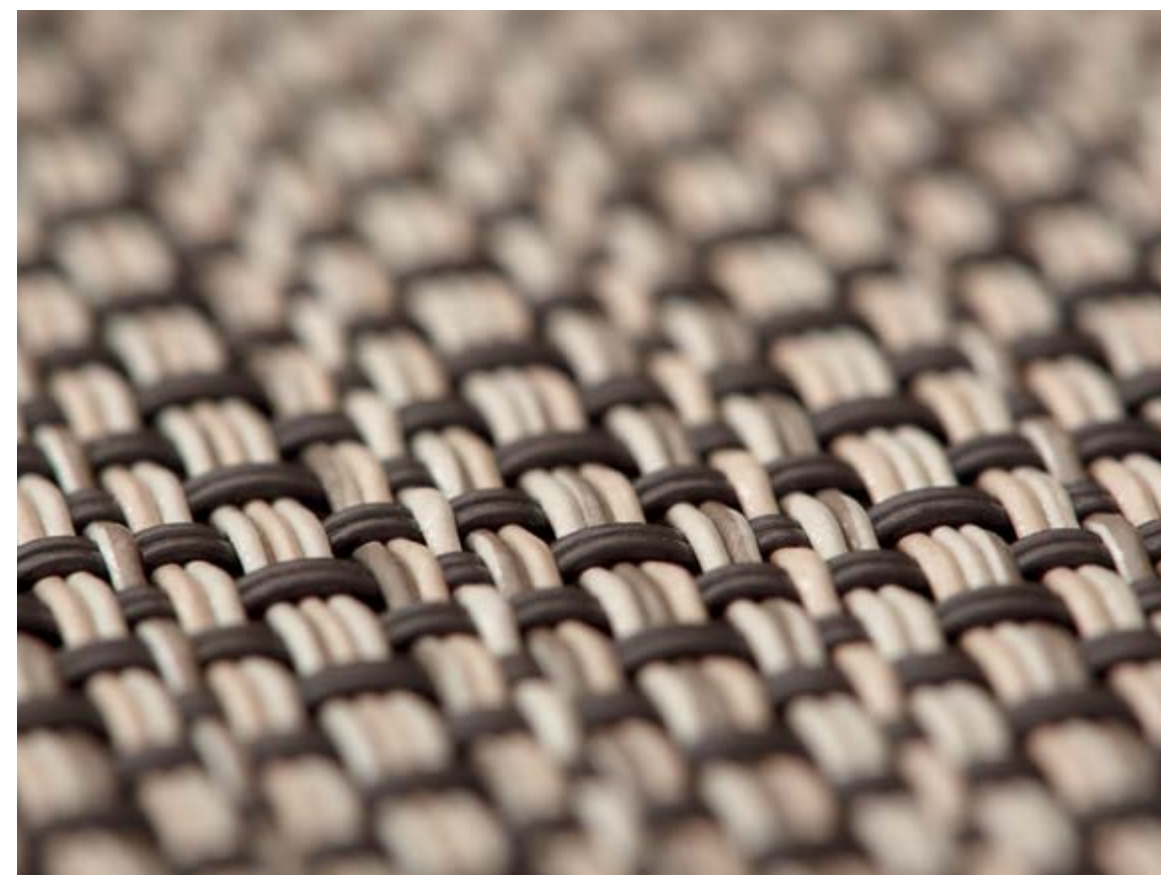
Sweet and soft. Just as raspberry red fruits
brighten up your garden in summer, I bring
colour to your interiors.

Gentle **Oliver**

Gentle. Be honest. Be true. Just be.

Simplicity and tranquillity. That's what you love. The pattern of your life is busy enough as it is. Work. Family. Friends. The turbulent storm of the day may quiet down to a calm sea level in your home. An open view, as far as you can see.

Gentle. For 'gentlemen' and 'ladies'.





Gentle **Ellis**

Meet the gentle part of our family.



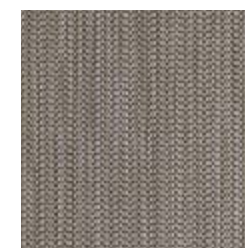
2,00
meter



50x50
centimeter



Ellis



Oliver



Grace



Anna

With our Gentle design, we recommend working with rolls for a linear effect. Do you prefer working with tiles? Always go for a checkerboard pattern for the best result.

hello

**my
name is
Willem**

Prins van Oranje. That is how I feel.
I stride by and everyone admires
my subtle aura.

Noble **Willem**

0108



Noblesse oblige.

You have class. Noble and generous you stroll through life. Always looking for sophistication and style. So this stately and chic design caresses your senses with its natural elegance.

Noble. You call me elegant. I prefer noble.

Noble **Charlotte**

0109



Noble Lily

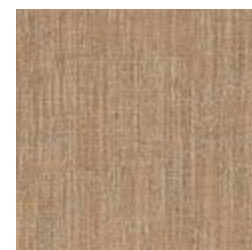
Meet the noble part of our family.



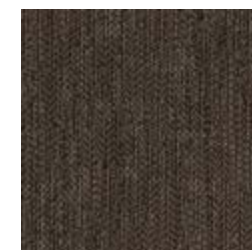
2,00
meter



50x50
centimeter



Willem



Edward



Lily



Charlotte



Sharpen your soul.

You always choose the right direction.

Where others get lost left or right, you walk your own path. The arrows in the wood tell you exactly where you want to go. Sharp of mind you shoot straight at your target.

Sharp. Fast-forward.





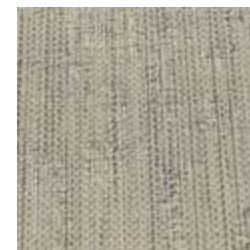
Sharp **Claire**
Sharp **Mauro**



Sharp **Claire**

Meet the sharp part of our family.

 
100x25 centimeter 25x100 centimeter



Claire



Pearl

hello

**my
name is
Rosa.**

Queen of the country. Let my red heart
deceive you.





Crisp Rosa

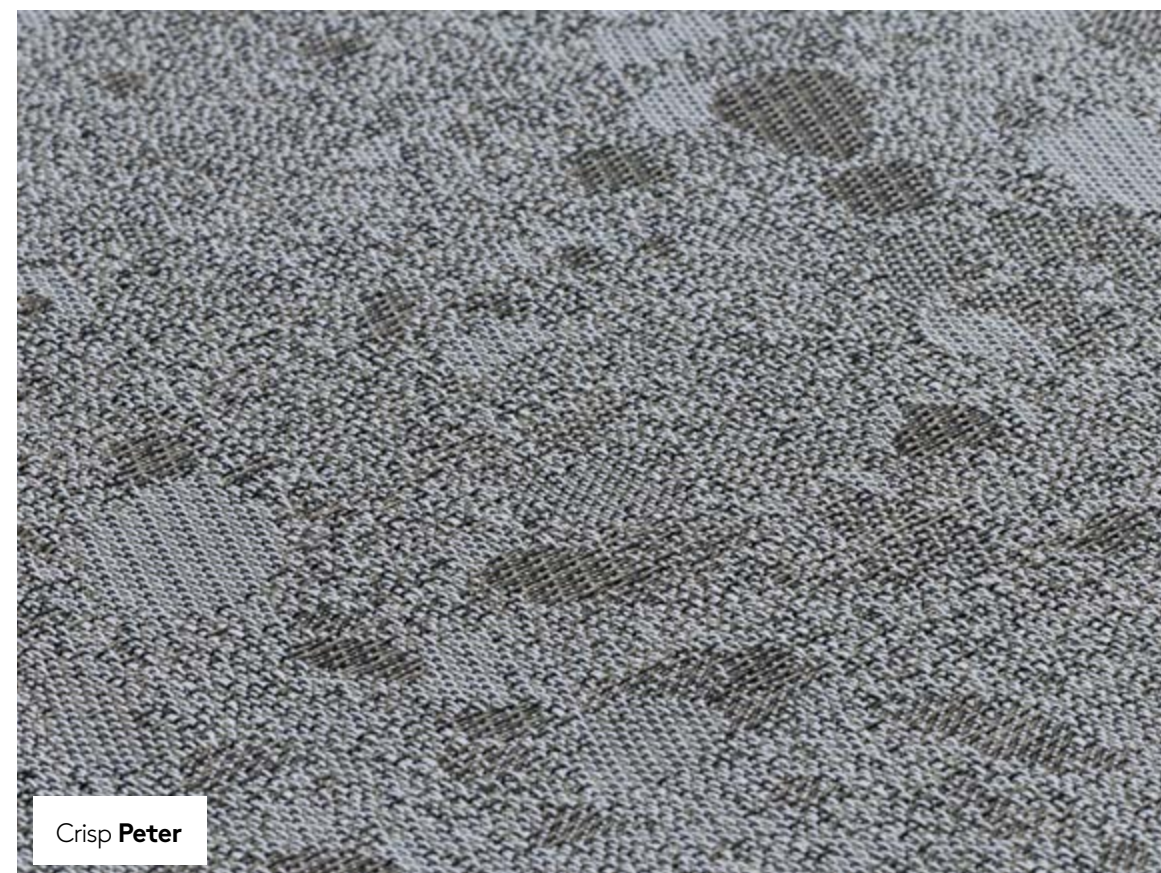
0118



Spot on.

You color the room like a canvas. Your creative character splashes off your face. Bright and impulsive, you throw all your wild ideas around. Playful. Spontaneously. Cheerful. This is not a doodle. This is art.

Crisp. Spot on.



Crisp Peter

0119



Meet the crisp part of our family.



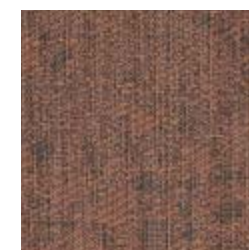
2,00
meter



50x50
centimeter



Peter



Rosa



Adam

hello

**my
name is
Julia.**

You can find my roots in ancient times,
but make no mistake. I am a modern
fashionista. Simple and sophisticated.





Go Wild.

Adventurously different. Boldly capricious.
Put on your naughty shoes and walk into the
wilderness. You're not like everybody else. A good
still life? Forget about it.
You prefer an impetuous patchwork.
Wild. Can you tame me?



Wild **Jade**

0124




Wild **Milo**

0125



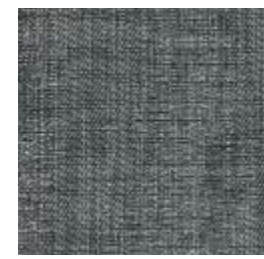
Wild Milo

Meet the wild part of our family.


50x50
centimeter



Leon



Jade



Julia



Milo



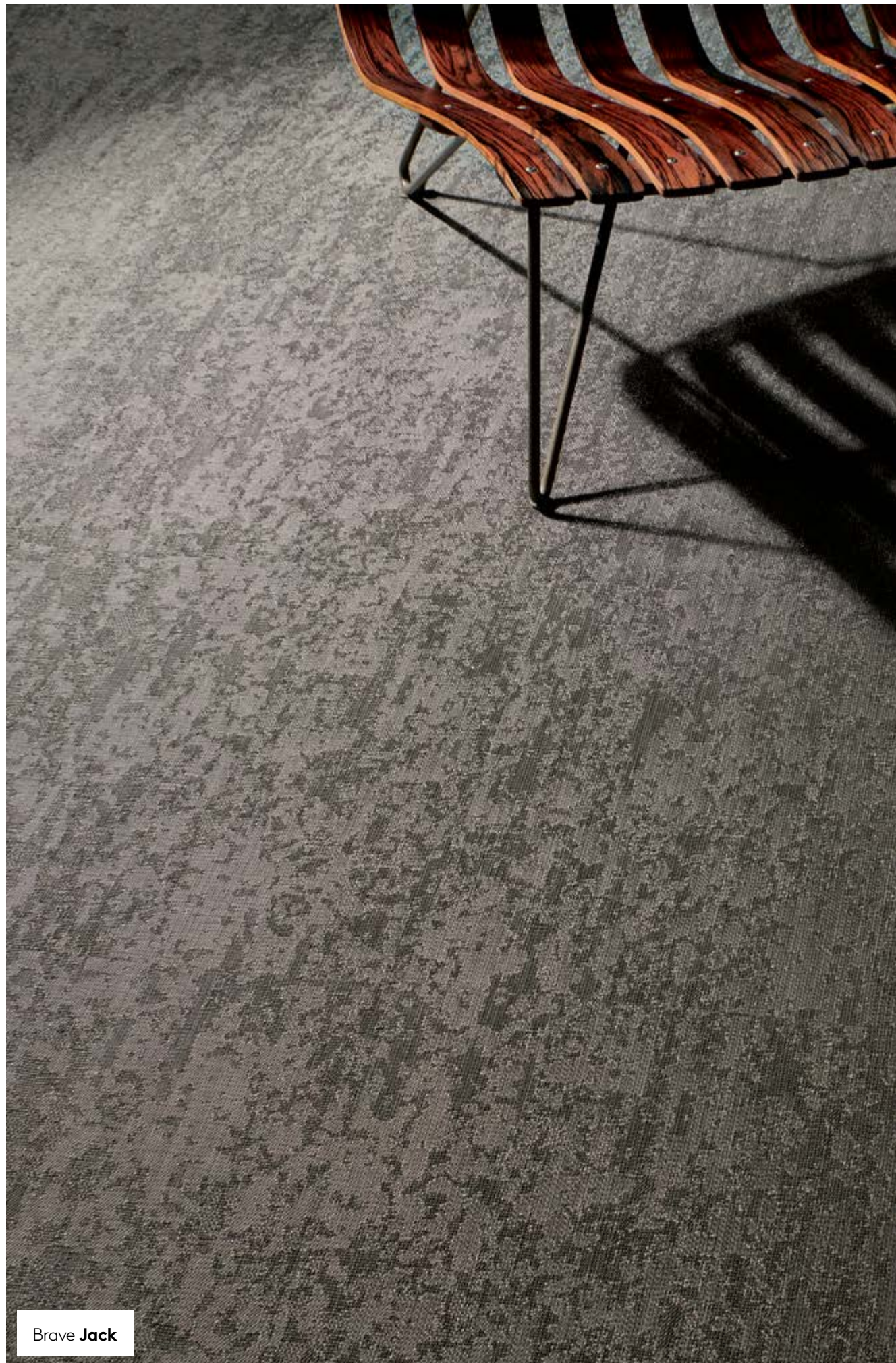
Brave **Sam**



Dare to be Brave.

Life is for the daring, the dreamer and the doer.
You break every pattern: ferocious and fierce.
Just feel. More tree bark than mirror glass.
Let the others be smooth and polished. You're
rough and unpolished. You're real.

Brave. Accept the challenge.



Brave **Jack**

Meet the brave part of our family.



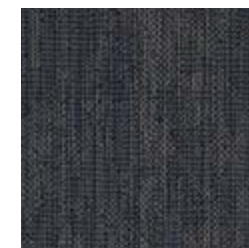
2,00
meter



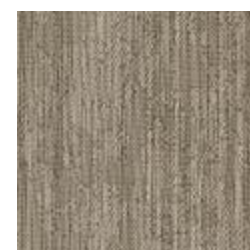
50x50
centimeter



Sam



Otto



Luce



Charles



Jack



Noble Benjamin

Clan. Slow down.

Outside, life rages on. Inside, you get closer to yourself, in pure simplicity. Meet the pure part of the family: CLAN.

Sit down and experience the Scandinavian way of life.

Time is your greatest luxury.



Fair play.

Straightforward and honest. You go straight to the point. Your design is what it is: clearly defined. This subtle grid brings order to chaos.

Fair. I'm straight with a twist.



Fair **Aurore**

0134



Fair **Marco**

0135



Fair Noah

Meet the fair part of our family.



2,00
meter



50x50
centimeter



Gwen



Liam



Laura



Jasmin



Ella



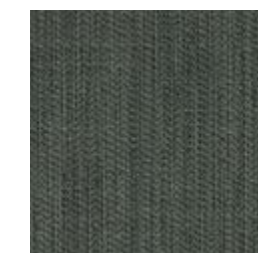
Aurore



Helena



Celine



Ivo



Alice



Nathan



Antoinette



Noah



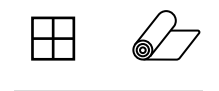
Marco



Matisse



Miguel



Noblesse oblige.

You have class. Noble and generous you stroll through life. Always looking for sophistication and style. This stately and chic design, therefore, caresses your senses with its natural elegance.

Noble. You call me elegant. I prefer noble.






Noble **Balthasar**

Meet the noble part of our family.


2,00
meter


50x50
centimeter



Benjamin



Olivia



Jutta



Theodore



Sylvère



Morena



Madeleine



Melvin



Balthasar



Roan



Mulan



Jacqueline



Felix



George



Strong. My strength, your power.

Sometimes things go fast. You live. You give.
You float. More than ever, you want solid ground
under your feet. A solid foundation that feels like
coming home. Here you can be yourself. Stylish.
Elegant. With an indestructible interior.



Strong **Andreas**

0142



Strong **Dawn**

0143



Strong **Graeme**

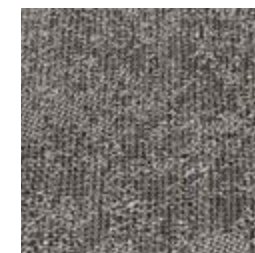
Meet the strong part of our family.



123,5 x 30,5 centimeter



Luca



Dawn



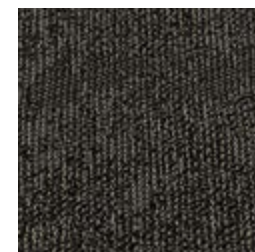
Graeme



Lea



Andreas



Max

Standard with integrated underlay for even faster installation and best acoustic values (22 dB) !



Fair **Leila**
Fair **Raven**

Crew. Space up life.

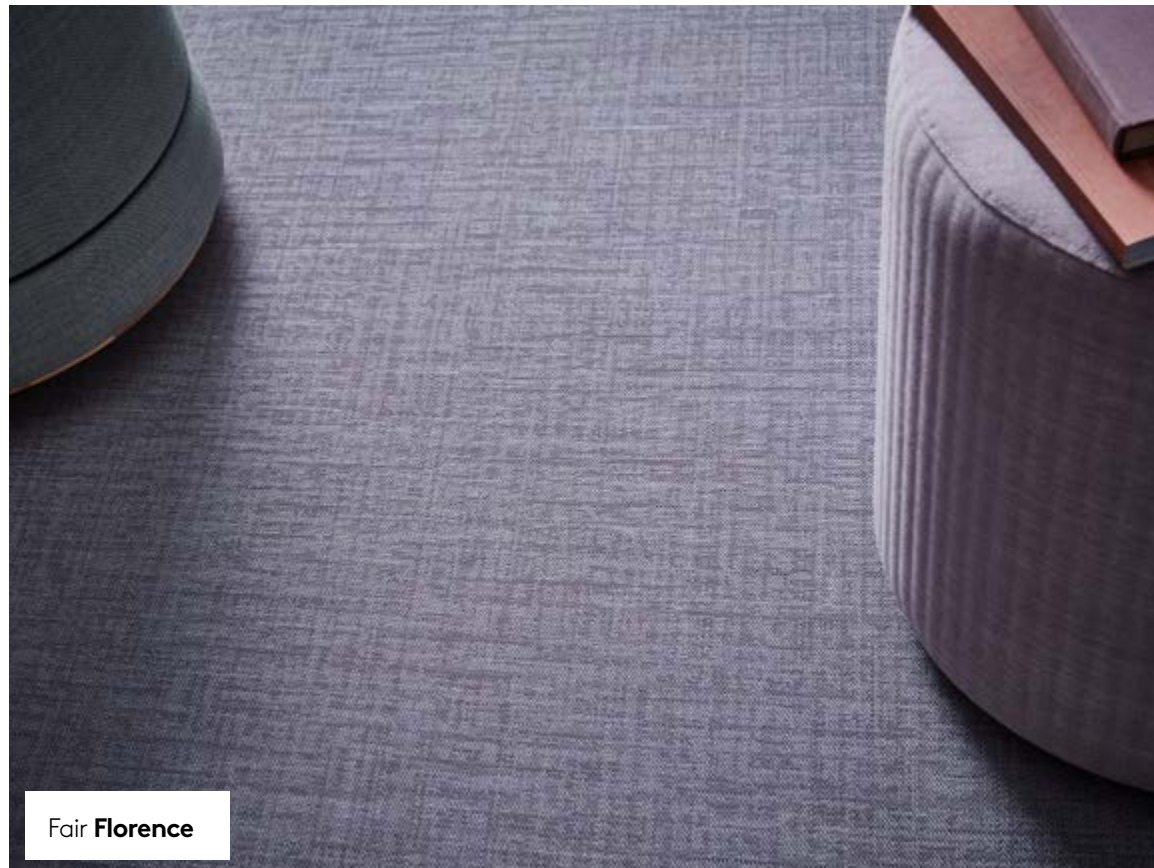
Step into a time capsule. Between misty pearl grey and clean lavender, you travel light years from here. Tomorrow becomes today. The future is now. Meet the futuristic part of the family: CREW. Otherworldly beautiful.



Fair play.

Straightforward and honest. You go straight to the point. Your design is what it is: clearly defined. This subtle grid brings order to chaos.

Fair. I'm straight with a twist.





Fair Falco
Fair Iris

Meet the fair part of our family.



2,00
meter



50x50
centimeter



Florence



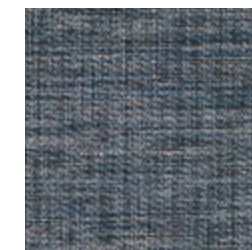
Fleur



Viola



Raven



Leila



Astrid



Iris



Falco



Henri



Lucas

Dahlia

Esmée

Suri



hello

**my
name is
Fee**

Soothing and zen.
My soft character enchants everyone.



Shy Fee



Call me modest.

Whoever speaks to you sees, a blush on your cheeks. That is no shyness. Rather, call it modest. The pattern on your skin is of soft concrete. Subtle hues add mystery to your understated soul.

Shy. Call me modest.



Shy Fee



Shy **Nina**

Meet the shy part of our family.



2,00
meter



50x50
centimeter



Fee



Nina



Boris



Challenge me.

You're brave in life. Courage flows through your veins. Sharp and powerful, you embark on every adventure. Sometimes erratic and fierce. Sometimes straightforward and thoughtful. Nobody touches your rough core of natural stone.

Sage. Challenge me.



Sage David

0158



Sage David

0159



Meet the sage part of our family.



2,00
meter



50x50
centimeter



Octavie



David

hello

**my
name is
David**

I once was a beloved king. My turbulent
history can be found in my whimsical
pattern.



Bold and beautiful.

Your life is not a straight line. You dance through your days. Round and round and round.

On the floor you can see the dynamic rhythm of your existence. You end up where you started, in circles of polished concrete.

Bold. The circles of life.



Bold **Pierre**



Bold **Pierre**



Bold **Stan**

Meet the bold part of our family.



50x50
centimeter



Stan



Pierre



Sharpen your soul.

You always choose the right direction.

Where others get lost left or right, you walk your own path. The arrows in the wood tell you exactly where you want to go. Sharp of mind you shoot straight at your target.

Sharp. Fast-forward.



Sharp **Selda**

0168





Sharp **Blanca**

0169



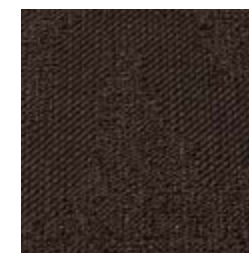
Sharp **Blanca**

Meet the sharp part of our family.

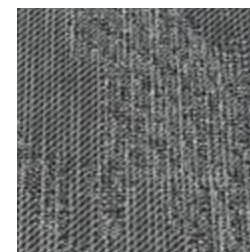
 
100x25 centimeter 25x100 centimeter



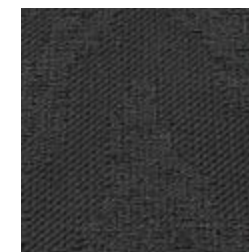
Blanca



Bruno



Selda



Mauro



Core.

The soft & silent touch.

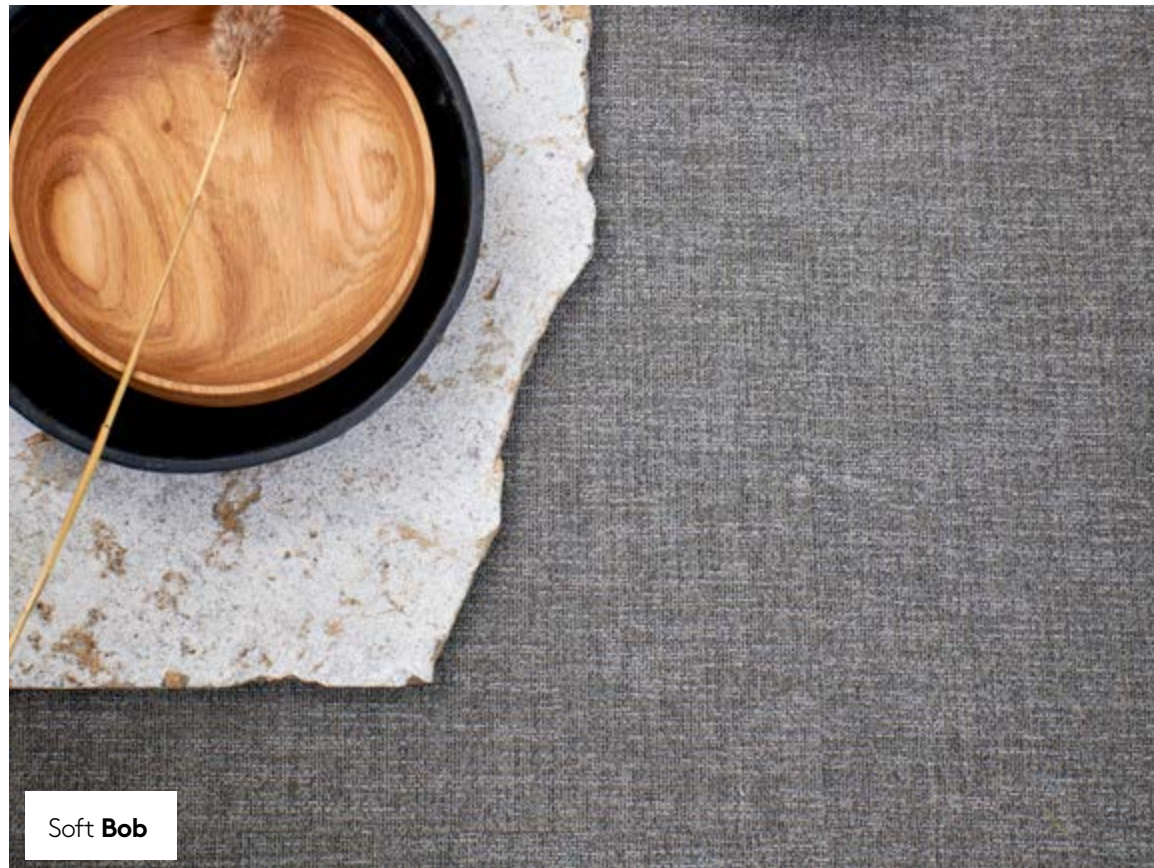
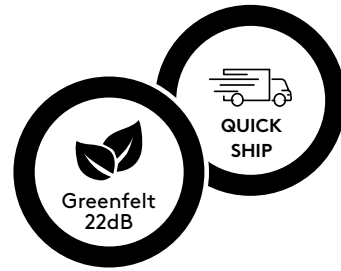
Our Core collection contains contemporary but timeless colours on a neutral design that are never out of place. More information about our Quick Ship service can be found on pg. 91.



Soft.

Create an oasis of focus with Soft.
A timeless look with a clear design.
A perfect balance.

Soft, in balance with your inner peace.



Soft **Bob**

0174



Soft **Bernadette**

0175



Soft **Tess**

Meet the soft part of our family.



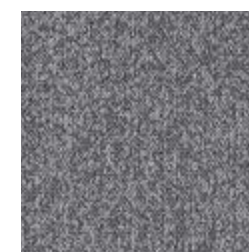
2,00
meter



50x50
centimeter



Sophie



Daniël



Tess



Bernadette



Bob



Joris



Mode-accessoires



in-store.



References

ntgrate can be found worldwide

Our **maintenance-friendly solutions** feel at home everywhere. Thanks to the **unique product advantages**, the **ecological and sustainable nature** and the **long life** of our solutions, we are present in a variety of sectors worldwide.

ABC TERMINAL	Zeebrugge	Belgium
Adif		Spain
Ageas		Portugal
Airbus	Madrid	Spain
Airbus	Toulouse	France
Airport Coruña		Spain
Akrotiri Beach Hotel	Corfu	Greece
Albia Aquas de Bilbao		Spain
Allseas Marine S.A. Offices	Athens	Greece
Amazon Head Office	Tel Aviv	Israel
Apollo Business Park	Espoo	Finland
Assodivers	Elefsina	Greece
AstraZeneca	Athens	Greece
Athens Metro Mall	Athens	Greece
Axa Bank		Belgium
Ayia Napa Admsintration Offices	Ayia Napa	Cyprus
Ayia Napa Marina Tower	Ayia Napa	Cyprus
Banco Santander	Madrid	Spain
Banques Renta		Spain
Belfius Bank		Belgium
BMW	Charleroi	Belgium
Bruyland		Belgium
Buyzznest Coworking	Kortrijk	Belgium
Caisse d'Epargne Rhône-Alpes		France
Careco		United Kingdom
Casa Nostra	Mons	Belgium
Chanel		Hong-Kong
Chevron Phillips Chemical	Tessengerlo	Belgium
Cityplaza Shopping Center	Nieuwegein	Netherlands
Clinicas Ancora		Spain
Club Med		France
Coca-Cola		Mexico
Comenius College	Hilversum	Netherlands
Conseil de l'Europe	Strasbourg	France
Cordial Canarias	Canarias	Spain
Crédit Agricole		France
Crelan Bank		Belgium
Crystal Show Club	Helsinki	Finland
Daimler - Mercedes	Stuttgart	Germany
Edex University of Nicosia		Cyprus
Endesa	Madrid	Spain
Engie	Milano	Italy
Ergo Insurance Company	Athens	Greece
Euphoria	Helsinki	Finland
FICEL Groupe		Luxemburg
Flamingo Paradise Hotel	Protaras	Cyprus
French Embassy	Barcelona	Spain
Garanti Bank		Turkey
Giovanni Restaurant	Antwerpen	Belgium

Global Bank		Panama
Global Web Index		United Kingdom
Google	Bangalore	India
Grundfos HQ	Saint-Quentin	France
Grupo Orenes	Murcia	Spain
Harol	Diest	Belgium
Havas Marketing	Brussels	Belgium
Histogenix		Belgium
Hotel Catedral Oporto		Portugal
Hotel El Higueron Andalucia		Spain
Hotel Menorca Palladium		Spain
Hotel Zela	Ibiza	Spain
House of Talents	Berchem	Belgium
Hsbc Hq	Bangalore	India
Intercontinental		Dubai
IYC Greece Offices	Athens	Greece
Janssen Pharmaceutica	Beerse	Belgium
Jordi Cruz	Barcelona	Spain
Jp Morgan	Milano	Italy
Kleine-Brogel Airbase		Belgium
La Foirfouille		France
Lindorf		Spain
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Lozanagebouw	Antwerpen	Belgium
Maison des Avocats	Lyon	France
McDonalds Head Offices		Cyprus
Mercedes	Canarias	Spain
Mercedes Ghistelink		Belgium
Michael Page	Barcelona	Spain
Microsoft		United Kingdom
Milbank LLP HQ	London	United Kingdom
Mint tandartsen	Overijse	Belgium
Mutua Madrilená	Madrid	Spain
Natura Bissé	Barcelona	Spain
ntgrate Experience Center	Kortrijk	Belgium
Octagon	Genève	Switzerland
ORBIT	Athens	Greece
Palais de Justice	Paris	France
Papaellinas Headquarters		Cyprus
Pedros Coffee Bar	Sint-Niklaas	Belgium
Pfizer	Puurs	Belgium
Philip Morris International	Aspropyrgos	Greece
Politiekantoor	Apeldoorn	Netherlands
Portalp	Saint-Engreve	France
Provinciehuis	Overijssel	Netherlands
Restaurant Publique	Den Haag	Netherlands
Palais de Justice	Paris	France
Sefco Zeelandia	Spata	Greece
Self Bank		Spain
SFR Headquarters		France
Showküche Thermomix	Wollerau	Switzerland
Techo Royal Arend Showroom	London	United Kingdom
Tourist Office Center	Eupen	Belgium
Tribes	Amsterdam	Netherlands
Uni-Pharma S.A.	Athens	Greece
Universiteit Antwerpen	Antwerpen	Belgium
Viajes Barcelo		Spain
Vodafone		Roumania
WTC	Den Haag	Netherlands



↓ Optiek Devriese (BE)

↑ Paragon (UK)



↓ Farafe (ES)

↑ Axa (BE)



↓ Grupo Orenes (ES)

↑ Rowhill (UK)



Come and visit us

Experience design.

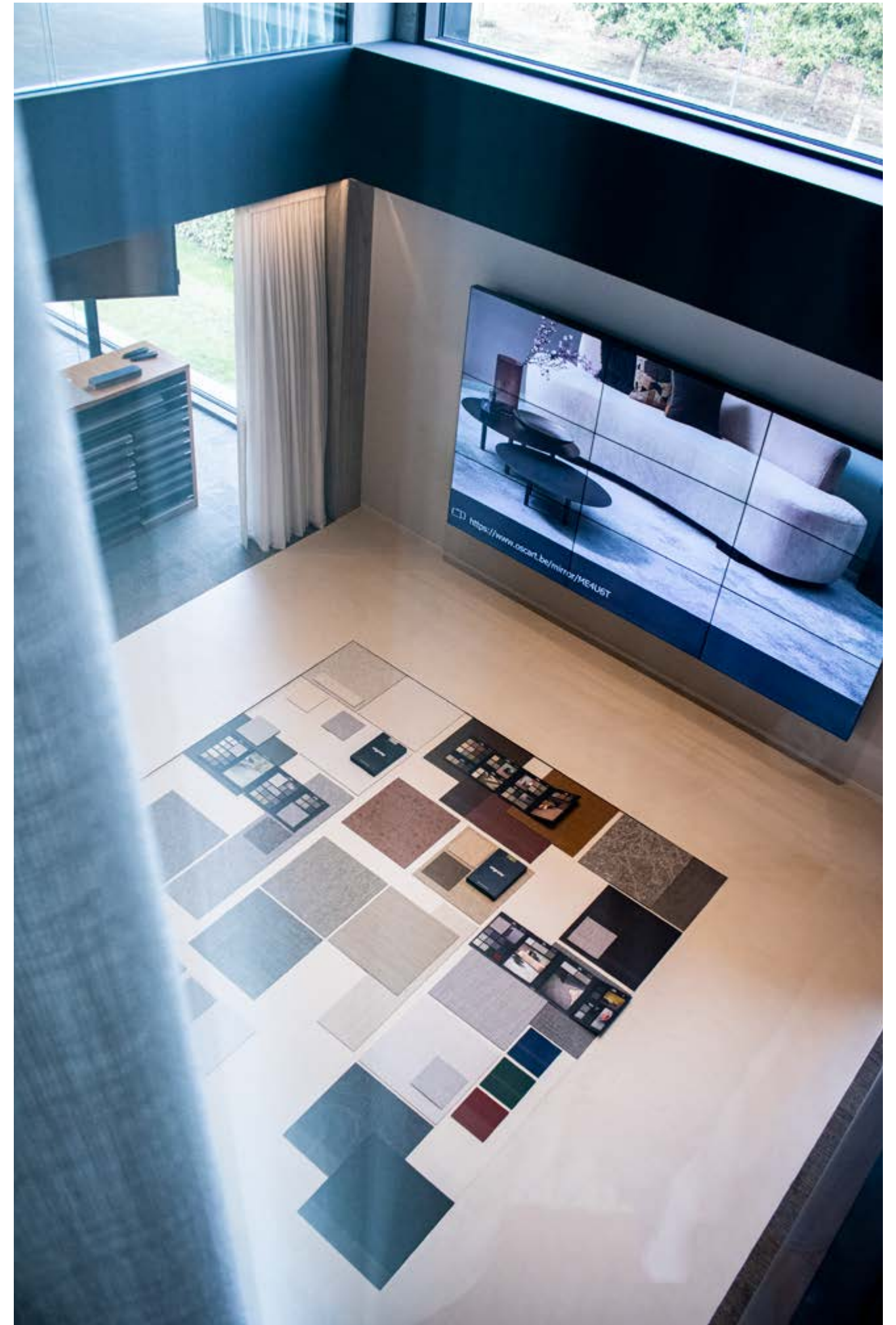
Experience ntgrate for yourself. Enjoy the aesthetic character and acoustic comfort of our solutions at our Experience Centre in Kortrijk (BE). Our BREEAM certified building is a meeting point fit for designers. We look forward to meeting you.





Experiencing our solutions yourself? Looking for a suitable meeting room? Introducing colours and designs to customers? Come and make your new moodboard at ntgrate? You can. Contact us or your ntgrate project consultant and quickly secure your visit or meeting space.

info@ntgrate.eu | +32 56 71 95 43



technical specifications

19dB



		acoustic layer	50% recycled PET	
	ISO 1765	total thickness	4,7 mm	4,7 mm
	ISO 8543	total weight	3.000 g/m ²	3.000 g/m ²
	EN 1307	level of use	class 33	class 33
	EN 985	suitable for castor chairs	intensive use	intensive use
	ISO 1815	static loading	< 2KV	< 2KV
	EN 13893 DIN 51130	slip resistnace	> 0,3 R9	> 0,3 R9
	ISO 10140-3	impact sound ΔLw	19 dB	19 dB
	ISO 354	acoustical absorption	Class E aw= 0,15	Class E aw= 0,15
	EN 16205	drum sound	71 dB (A)	71 dB (A)
	EN 105-B02	light fastness	≥ 7	≥ 7
	EN 13501	reaction to fire	B _{fl} -s1	B _{fl} -s1
	ASTM E648-17 NFPA	critical radiant flux	0.63 W/cm ² Class I	0.63 W/cm ² Class I
	ASTM E662-15a	smoke density	<450	<450
	EN 984	dimensions	500 x 500 mm	/
	ISO 24341	width	500 mm	200 – 202 cm
	ISO 10965	length	500 mm	on request
	EN 986	dimensional stability	< 0,2%	< 0,2%
	EN 1814	resistance to fraying	excellent	excellent
	EN 423	staining resistance	excellent	excellent
	EN 15114	suitability for humid conditions	suited	suited
	ISO 8302	thermal resistance (underfloor heating)	suited	suited
	EN 14.041	DOP No.	0493-CPR-0193	0493-CPR-0194

technical specifications

22dB



		acoustic layer	90% recycled PET	Integrated underlay
	ISO 1765	total thickness	5,2 mm	5,2 mm 5,5 mm
	ISO 8543	total weight	3.200 g/m ²	3.200 g/m ² 5.600 g/m ²
	EN 1307	level of use	class 33	class 33 class 33
	EN 985	suitable for castor chairs	intensive use	intensive use intensive use
	ISO 1815	static loading	< 2KV	< 2KV < 2KV
	EN 13893 DIN 51130	slip resistnace	> 0,3 R9	> 0,3 R9 > 0,3 R9
	ISO 10140-3	impact sound ΔLw	22 dB	22 dB 22 dB
	ISO 354	acoustical absorption	Class E aw= 0,15	Class E aw= 0,15
	EN 16205	drum sound	67 dB (A)	67 dB (A)
	EN 105-B02	light fastness	≥ 7	≥ 7 ≥ 7
	EN 13501	reaction to fire	B _{fl} -s1	B _{fl} -s1 B _{fl} -s1
	ASTM E648-17 NFPA	critical radiant flux	0.63 W/cm ² Class I	0.63 W/cm ² Class I
	ASTM E662-15a	smoke density	<450	<450
	EN 984	dimensions	500 x 500 mm	/ 1235 x 305 mm
	ISO 24341	width	500 mm	200 – 202 cm /
	ISO 10965	length	500 mm	on request /
	EN 986	dimensional stability	< 0,2%	< 0,2% /
	EN 1814	resistance to fraying	excellent	excellent excellent
	EN 423	staining resistance	excellent	excellent excellent
	EN 15114	suitability for humid conditions	suited	suited suited
	ISO 8302	thermal resistance (underfloor heating)	suited	suited suited
	EN 14.041	DOP No.	0493-CPR-0193	0493-CPR-0194 0493-CPR-0115

light reflectance values

The Light Reflectance Value (LRV) indicates the extent to which light is reflected from a surface illuminated by a light source. It refers to the total amount of visible and usable light (of all wavelengths and in all directions) reflected by all surfaces present.

bold

Stan	LRV	5,7
Pierre	LRV	9,1

brave

Charles	LRV	24,8
Jack	LRV	14,4
Luce	LRV	25,0
Otto	LRV	7,6
Sam	LRV	23,5

crisp

Adam	LRV	9,6
Peter	LRV	20,7
Rosa	LRV	13,0

gentle

Anna	LRV	7,0
Ellis	LRV	28,0
Grace	LRV	11,4
Oliver	LRV	25,1

noble

Benjamin	LRV	36,4
Balthasar	LRV	16,9
Charlotte	LRV	18,4
Edward	LRV	7,4
Roan	LRV	12,0
Sylvère	LRV	26,4
Felix	LRV	17,6
George	LRV	6,5
Jacqueline	LRV	24,9
Jutta	LRV	12,1
Lily	LRV	21,6
Madeleine	LRV	20,5
Melvin	LRV	15,0
Morena	LRV	6,3
Mulan	LRV	32,1
Olivia	LRV	18,0
Theodore	LRV	27,3
Willem	LRV	27,7

sage

David	LRV	21,1
Octavie	LRV	38,7

sharp

Blanca	LRV	24,6
Bruno	LRV	4,5
Claire	LRV	36,5
Mauro	LRV	6,1
Pearl	LRV	43,7
Selda	LRV	15,3

shy

Boris	LRV	14,3
Fee	LRV	49,2
Nina	LRV	26,2

soft

Bernadette	LRV	12,9
Bob	LRV	6,9
Daniël	LRV	21,8
Joris	LRV	10,1
Sophie	LRV	41,9
Tess	LRV	31,3

strong

Andreas	LRV	21,6
Dawn	LRV	15,9
Graeme	LRV	14,0
Lea	LRV	27,9
Luca	LRV	25,0
Max	LRV	6,6

wild

Jade	LRV	16,7
Leon	LRV	22,4
Milo	LRV	13,0
Julia	LRV	26,1

fair

Alice	LRV	42,2
Amber	LRV	21,3
Antoinette	LRV	12,7
Arthur	LRV	6,7
Astrid	LRV	30,8
Aurelie	LRV	33,4
Aurore	LRV	43,9
Celine	LRV	24,3
Chloé	LRV	15,5
Dahlia	LRV	29,2
Ebony	LRV	6,4
Ella	LRV	32,0
Esmée	LRV	6,1
Falco	LRV	12,2
Fleur	LRV	13,7
Florence	LRV	28,2
Ginger	LRV	11,4
Gwen	LRV	43,6
Hazel	LRV	9,2
Helena	LRV	44,1
Henri	LRV	5,4
Iris	LRV	16,6
Ivo	LRV	11,8
Jasmin	LRV	44,1
Lana	LRV	8,7
Laura	LRV	32,4
Leila	LRV	6,0
Liam	LRV	39,9
Lucas	LRV	41,3
Marco	LRV	18,7
Matisse	LRV	14,2
Miguel	LRV	7,0
Myrthe	LRV	36,3
Naomi	LRV	30,8
Nathan	LRV	16,5
Noah	LRV	27,0
Pia	LRV	22,0
Raven	LRV	7,9
Sienna	LRV	13,7
Suri	LRV	7,0
Viola	LRV	7,5



green certificates and attestations

Every ntgrate floor covering has a long life cycle thanks to the high quality standards set. The products also have the necessary green certificates and attestations. An overview:

Certificate / attestation	Result	Description
AGBB / ABG	pass	German AgBB (2018)
BREEAM international	compliant	Breeam Int.: HEA02 (tested by an independant research facility)
Blue angel	pass	RAL UZ120
CDPH	compliant	CDPH Section 01350
ECO EPD	compliant	ECO EPD according to EN 15804
FDES	pass	Environmental and health declaration form: verification: 1-42: 2021
Floorscore	compliant	CPDH/EHLB standard method
French CMR components	pass	
HPD	pass	Health Product Declaration (HPDC v2.2)
Indoor Air Comfort Gold	pass	VOC requirements on low emitting products
LEED v4	compliant	LEED V4.1 BETA Low Emitting Products
M1 classification	pass	Emission classification of building materials
Plasticizer content	phthalate free	
Recycled content	yes	
Reach	compliant	EC 1907/2006
VOC (Belgian regulation)	pass	Belgium Royal Decree C-2014/24239
VOC (French regulation)	A+ certified	Decree no 2011-321
WELL (CPDH well building standard)	compliant	CPDH Well building standard / Well v2 feature X11 Long-term Emission control



Ntgrate® meets all of the product required CE-standards.

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