

#### **BAUX** Acoustic Felt



**BAUX** IS FOUNDED **ON THE BELIEF** THAT BUILDING MATERIALS SHOULD BE SUSTAINABLE, **SURPRISINGLY FUNCTIONAL AND** REMARKABLY **BEAUTIFUL.** 

LET'S BUILD!





BAUX Acoustic Felt in Textile Offcuts material



#### BAUX **Acoustic Felt**

Felt has been BAUX'd

The system

Desk solutions

**Floor solutions** 

Materials & colours

Acoustics

**Specifications** 

#### 36-49 50-65 66-75 76-85 86-100

- 28-35
- 10-27

# 10 Feit fies

\*To BAUX /baʊks/ (verb): To approach an acoustic material problem with a truly sustainable mindset.



A truly sustainable mindset means ensuring that every stage of a product's lifetime creates minimal environmental impact. From design and production to use and recycling.

12



#### **Pushing things forward** for the greater good.

Form Us With Love's John Löfgren on designing the most sustainable felt products on the market yet.

As one of BAUX's founding fathers and the creative director of an award-winning industrial design studio, John Löfgren knows a thing or two about pushing boundaries. The design team at Form Us With Love is a linchpin at BAUX when it comes to driving the neverending pursuit of new ways to create impact in the acoustics industry with forward-thinking materials and production techniques. Asked to put BAUX's design aesthetic into words, John describes it as 'purpose driven with a twist and wit'.

'The foundation has always been function', he explains. 'But, if we can add to it with features that have never been applied before in a certain context, then we're onto something'.

So when we, at BAUX, set out to create our first ever felt product, in a market where felt is ubiquitous, our puzzle was clear: How can we offer something new, that pushes boundaries both in terms of greater levels of sustainability and features the market hasn't seen before?

'Felt has been on our radar since day two', says John. 'Felt has great absorptive qualities, lovely shaping properties and is aesthetically warm and appealing. But if we're going to make products at all, they need to be future proof'.

To create a felt product in alignment with BAUX values, our design team would have to address one critical issue that was holding not only BAUX, but the entire acoustic industry back from creating a truly sustainable felt product.

'The problem is that it's often hard to locate the origin of recycled materials', explains John. 'The market hasn't put enough demands on businesses yet'.

Felt for industrial applications has traditionally been made from a mix of synthetic material fibres. While it's easy for acoustic product designers to simply select recycled materials, it's difficult to pinpoint their origin. Without control over the stream of material components, they risk sourcing from a corrupt supply and, contrary to original intentions, can wind up producing more plastic and compromising circularity.

'We ultimately decided to come out with a felt product for two reasons', says John 'The first is that we, together with our suppliers, have secured a completely traceable source from other industrial production facilities which would otherwise be discarded as waste and burnt at a power plant. We have control over what our recycled products contain and that is the first step in becoming circular, which is our long-term goal'.

#### 'This is a journey that needs to be pushed by everybody involved—users, buyers, creators and the industrial sector'.

'The second reason is that felt lets us tap into design possibilities we haven't explored much before', he continues. 'It enables us to offer a more flexible product range that can easily be manoeuvred to fit different kinds of acoustic landscapes'.

Alongside high sustainability ambitions, the BAUX Felt range places great emphasis on function. Flexible and easy to handle, each modular component has been designed as part of an efficient system that can be quickly scaled up or down. Everything connects together with a minimal number of hardware pieces which have been standardised to ensure effortless setup and less waste in production.

'The BAUX Felt range solves most issues that an office needs to address today and tomorrow, and pushes boundaries in terms of what's business-as-usual', says John. 'And, just as with all BAUX collections, when you invest in a BAUX Felt system, you can be sure it's going to last. We're making it easy to update, replace and extend all the components so the system keeps up with your needs over a vast period of time'.

But our ambitions don't stop here. At BAUX, our longterm goal is to make the acoustic system 100% circular, and we plan to share our learnings along the way.

'This is a journey that needs to be pushed by everybody involved—users, buyers, creators and the industrial sector', says John. 'Instead of chasing short-term business goals, we need to learn from each other and push things forward for the greater good'.

John Löfgren, Form Us With Love

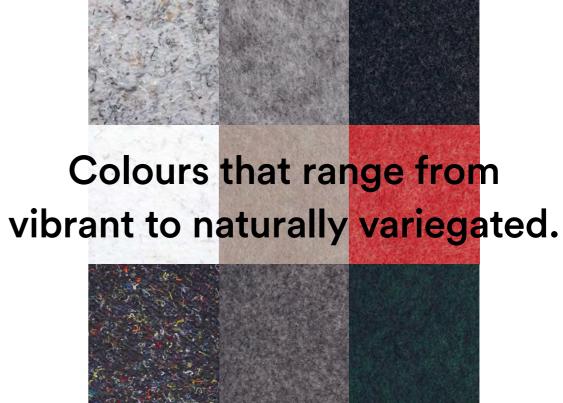






# Two different materials. Same circular mindset.





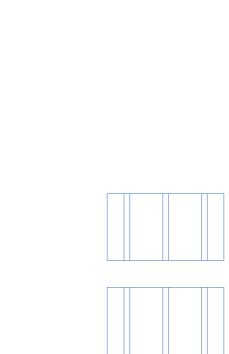
Our felt panels are available in two different materials: Textile Offcuts and Recycled PET. Textile Offcuts is a next generation textile, made from upcycled and 100% traceable post-production textiles in partnership with The Loop Factory. Recycled PET is made from GRS certified Recycled PET bottles sourced from recycling entities across Europe. Because origin is important.

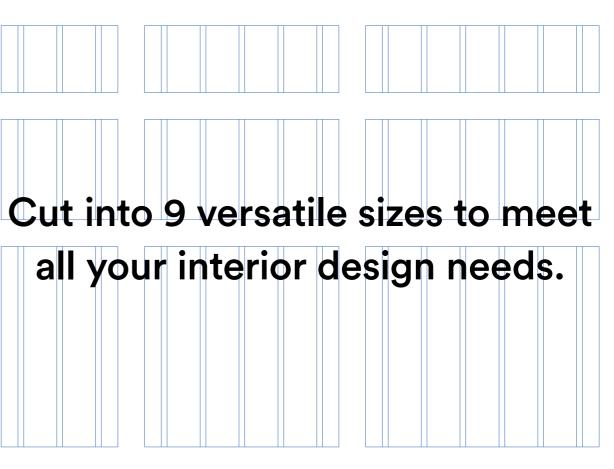
From the natural variegated colour schemes of Textile Offcuts, to the vibrant range of Recycled PET, our Acoustic Felt materials fits in perfectly at any office environment. Together they offer a total range of nine beautiful colours that can either stick out or blend in. Learn more about the colours on page 62.

## Produced as a single standardised sheet to ensure minimal waste.

When it came time to transform the rescued textiles into acoustic felt screens, it was important to us that we carry out production in a way that wouldn't generate offcuts or excess of our own. Our solution: we carefully press—not glue—the textiles into a single standardised sheet. And from this sheet, every screen in the BAUX Acoustic Felt system is precisely cut.

Each of our nine screen sizes are cut from a single standardised sheet for efficient production with minimal spill. Designed to work singularly or in unison, the screens are sized to serve the acoustic needs of a diversity of spaces. Put them to work from ceiling to floor, and all the angles in between. Easily scale up or down as your interior's function evolves.





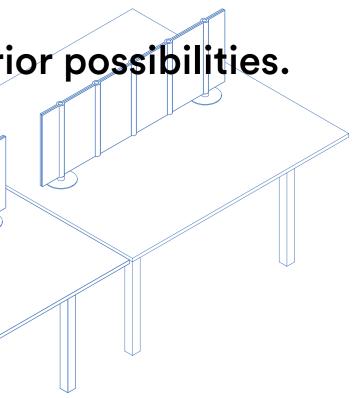
# Minimal number of hardware pieces to avoid unnecessary production.

We decided to keep things simple for both human and environment. To minimise unnecessary production and streamline the assembly process, we downsized our hardware kit to just four standardised and meticulously designed pieces. They're made out of 100% recyclable metal, and 100% recyclable plastic, and they work for the entire BAUX Acoustic Felt system.

An interior's needs fluctuate and change. So assembly should be fast. Each screen in the BAUX Acoustic Felt system is equipped with a series of uniform grooves that fit seamlessly together with the hardware. The cylindrical tracks lend flexible options for horizontal setups, and static or adaptable configurations that can be tilted at an angle.

### Well-placed grooves for a perfect fit and flexible assembly.

The result is a remarkably versatile system with endless interior possibilities. Simple. Smart. Fun. Circular.





#### THE SYSTEM

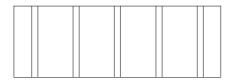


#### Accessories

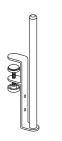
#### Screens



Flexfelt 70×40 700 × 400 × 36 mm 27.56 × 15.75 × 1.42"



Flexfelt 120×40 1180 × 400 × 36 mm 46.46 × 15.75 × 1.42"



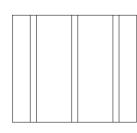
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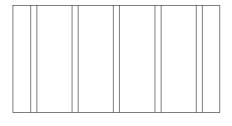
Table Clamp Side $320 \times 100 \times 32 \text{ mm}$  $12.6 \times 3.94 \times 1.26^{\circ}$ Suitable for tables thatare 12-50 mm thick.



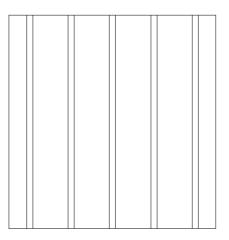
Table Clamp Top $295 \times 50 \times 32 \text{ mm}$  $11.61 \times 1.97 \times 1.26^{\circ}$ Suitable for tables thatare 12-50 mm thick.



Flexfelt 70×60 700 × 600 × 36 mm 27.56 × 23.62 × 1.42"



Flexfelt 120×60 1180 × 600 × 36 mm 46.46 × 23.62 × 1.42"



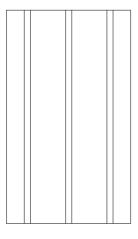
Flexfelt 120×120 1180 × 1200 × 36 mm 46.46 × 47.24 × 1.42"



**Table Stand** Ø 150 × 193 mm Ø 5.91 × 7.6"



Floor Stand Ø 350 × 891 mm Ø 13.78 × 35.08"



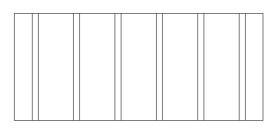
Flexfelt 70×120 700 × 1200 × 36 mm 27.56 × 47.24 × 1.42"

Comes with every clamp and

stand to add a finishing touch.

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Flexfelt 140×40 1400 × 400 × 36 mm 55.12 × 15.75 × 1.42"



Flexfelt 140×60 1400 × 600 × 36 mm 55.12 × 23.62 × 1.42"

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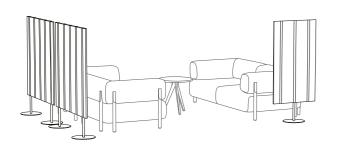
#### Flexfelt 140×120

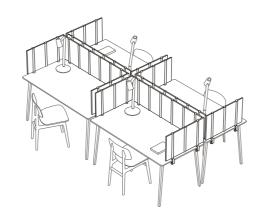
1400 × 1200 × 36 mm 55.12 × 47.24 × 1.42" 32

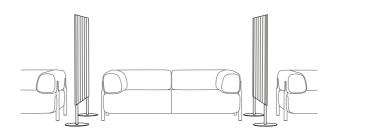


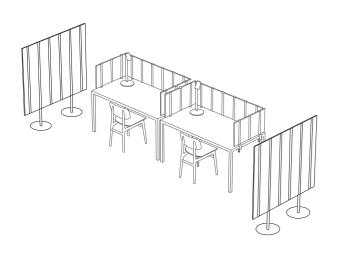




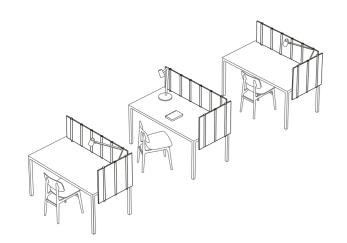


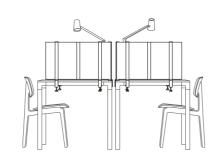




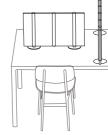


Let's build!







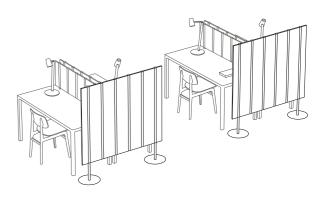


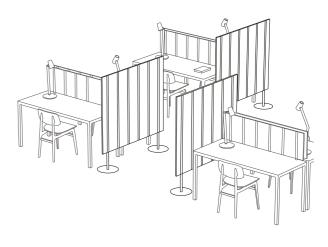




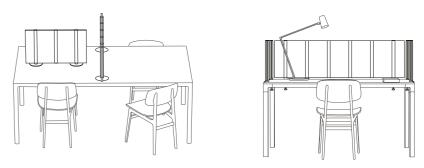














**Desk solutions** 



When solitary focus is the objective, you can count on our desk solutions to transform any tabletop into a private hub of productivity. Ideal for shared office and learning environments. The booths assemble quickly, with adjustable clamps that attach to any desk's edge. Scale up or down to meet the evolving needs of your inhabitants.



If you're operating in a shared open floor plan with cross-functional purposes, our floor solutions are a smart asset to have on hand. Swiftly set up private meeting areas, wall off teams or assemble a restful oasis. Switch up configurations on the fly. With only a few pieces per unit, you can fulfil your vision in a matter of minutes.

#### **Floor solutions**





#### **DESK SOLUTIONS**





Material & colour: Textile Offcuts - White mix

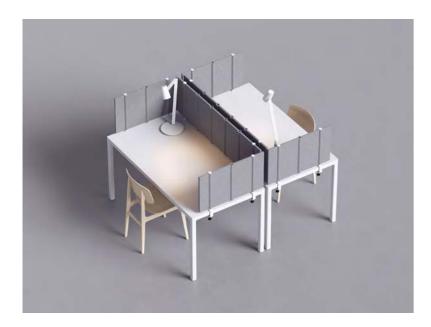
**Private booth - 1 seat** Specifications on page 78







Material & colour: Textile Offcuts - White mix



**Private booth - 2 seats** Specifications on page 78 **Open desk - 4 seats** Specifications on page 81



Material & colour: Textile Offcuts - Black mix

**Private booth - 4 seats** Specifications on page 79

Material & colour: Textile Offcuts - Grey mix 🛛 🌉







Material & colour: Textile Offcuts - Black mix 🛛 🎆



Desk divider - 2 seats

Material & colour: Recycled PET - Coral Red

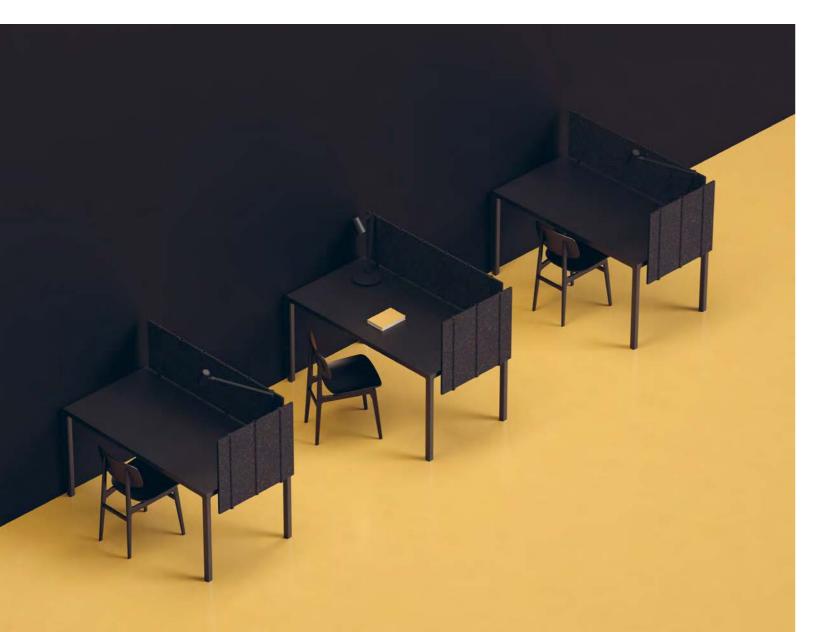




Material & colour: Recycled PET - Khaki

Private booth - 3 seats Specifications on page 80

Material & colour: Textile Offcuts - Black mix 🛛 🎆



**Team booth - 2 seats** Specifications on page 80





Material & colour: Textile Offcuts - Black mix

Material & colour: Textile Offcuts - White mix



#### **FLOOR SOLUTIONS**







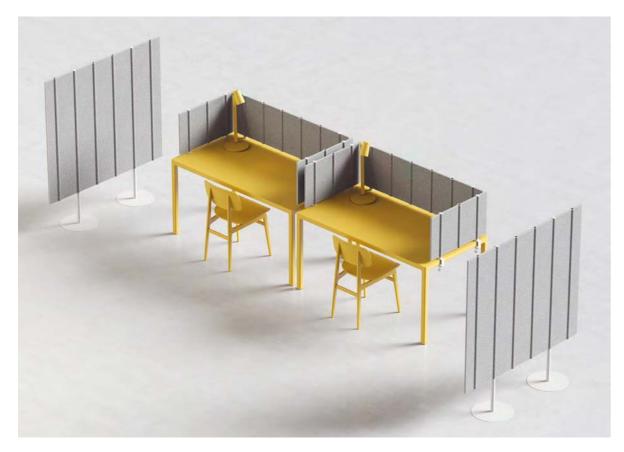
Material & colour: Textile Offcuts - Grey mix

**Sofa divider** Specifications on page 81



**Workspace divider** Specifications on page 82

Material & colour: Textile Offcuts - Grey mix 🛛 📰



Workspace divider Specifications on page 82

Material & colour: Textile Offcuts - Grey mix 🛛 🌉

**Workspace divider** Specifications on page 83



Material & colour: Textile Offcuts - Grey mix 🛛 🌉

Room divider

Material & colour: Recycled PET - Khaki





Private corner

Material & colour: Recycled PET - Light Grey

60

**Sofa divider** Specifications on page 83



Material & colour: Textile Offcuts - White mix



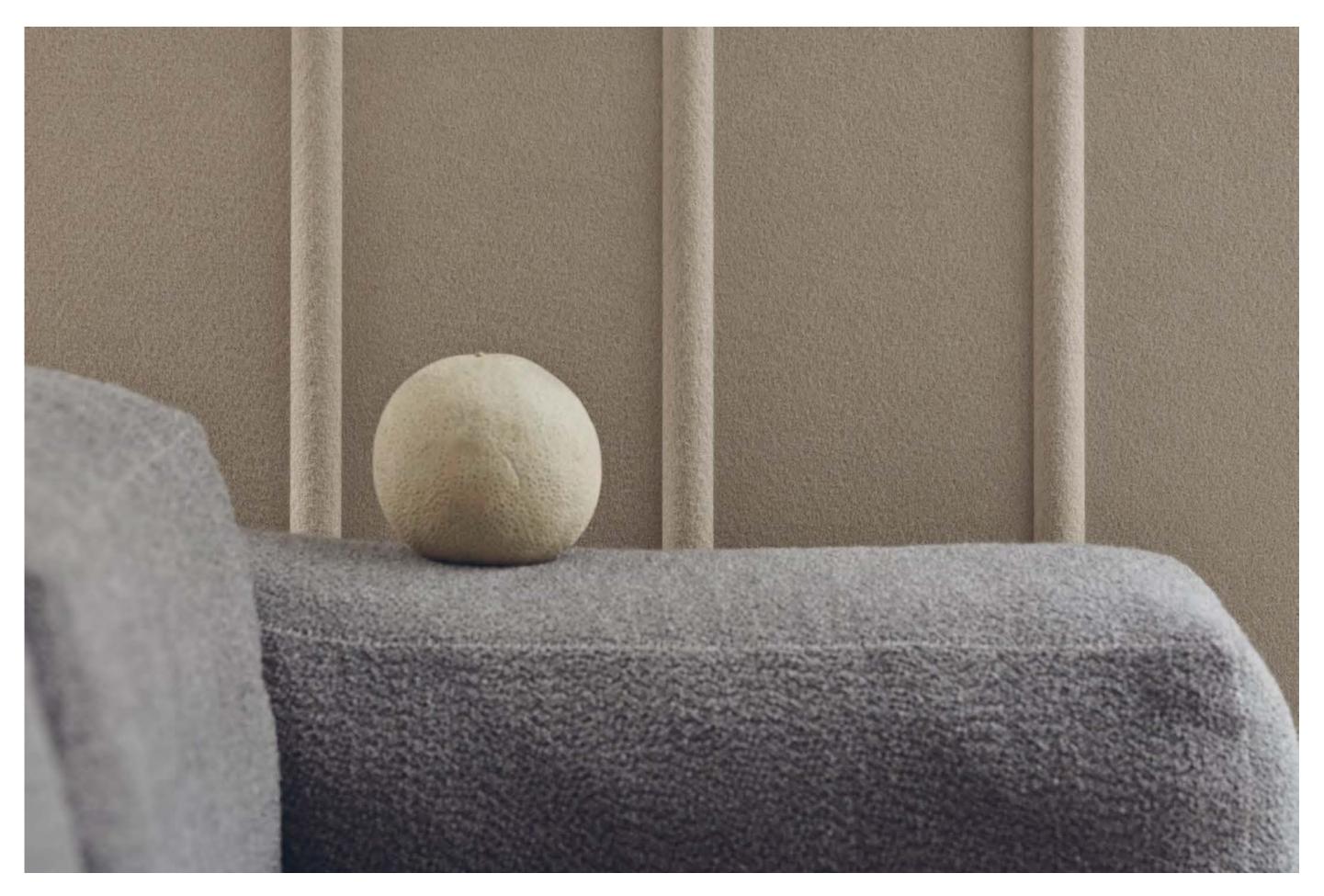
Workspace divider Specifications on page 84

Material & colour: Textile Offcuts - Black mix 🛛 🎆



#### Material & colour: Textile Offcuts - Black mix 🛛 🎆

**Privacy space** Specifications on page 84







#### MATERIALS & COLOURS

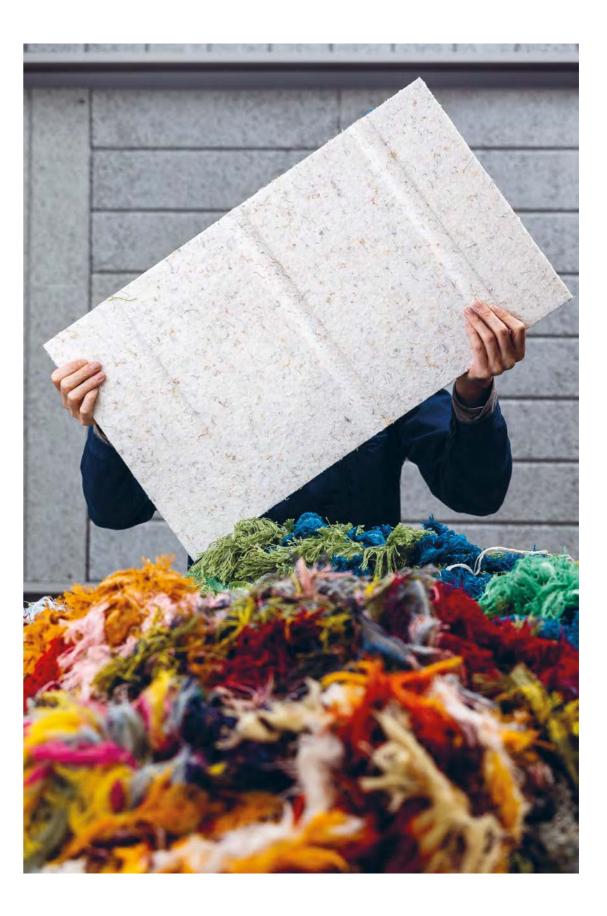
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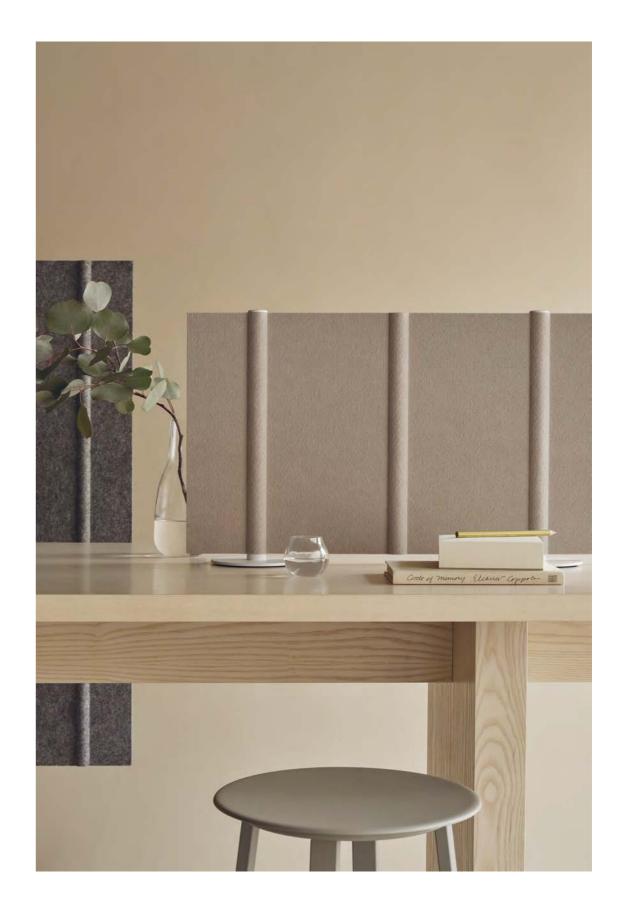


#### **BAUX Textile Offcuts**

Made from upcycled and 100% traceable post-production textiles in partnership with The Loop Factory.

When we started our journey into the world of felt, we discovered a natural partner in The Loop Factory. Specialists within sustainable strategies and renewable and unused resources, The Loop Factory was just the ally we needed to help us realise a felt solution that could truly push the boundaries of sustainability, in a way the industry has never done before. The solution we arrived at is the result of forging a brand new value chain for upcycled textiles. One that connects raw material suppliers and their unused materials with fresh production possibilities. BAUX Acoustic Felt is made out of upcycled textile offcuts combined with a low melt polyester fibre that gives the material its structure. The offcuts consist of a 100% polyester based thread, sourced from Ludvig Svensson—resources which normally would have been incinerated. Thanks to our relationships with textile producers, we can ensure a traceable and continuous flow of material with desirable quality. Each batch of threads is dyed locally in Sweden in a closed process that follows Swedish environmental legislation. The resulting colour schemes have naturally variegated identities, a perfect reflection of the material's diverse origins—and one more loop closed.





# **BAUX Recycled PET**

Made from GRS certified recycled PET bottles sourced from recycling entities across Europe.

You can be sure you're really helping keep unwanted plastics out of the landfill. BAUX Recycled PET is made from GRS certified, used and recycled PET accredited by IOAS. Collected bottles are washed and chipped into recycled PET flakes, then melted down and spun into the recycled fibres that we use to make Acoustic Felt panels. Instead of creating more plastic that could wind up in nature or the landfill, we made our felt out of recycled PET bottles. The GRS certified and IOAS accredited bottles are collected from recycling entities across Europe. After being washed and chipped into PET flakes, they are melted down and spun into the fibres we use to make Acoustic Felt. The BAUX Recycled PET colour palette comes with six versatile colours primed for your acoustic design. Despite the material's recycled origins, the process of chipping bottles into sortable recycled PET flakes makes it easier to produce a precise palette of colours. The BAUX Recycled PET palette ranges from a greyscale of Light Grey, Grey and Dark Grey to the more saturated hues of Khaki, Coral Red and Jade Green.

### **BAUX Textile Offcuts**

### **BAUX Recycled PET**



White Mix\*



Grey Mix\*



Black Mix\*





Light Grey

Grey



Khaki

Coral Red

True to its upcycled origins, our felt is naturally variegated in colour. Each batch of threads is dyed locally in a closed process that follows Swedish environmental legislation. The chemicals used are approved by REACH for the protection of human health and the environment. The resulting trio of effortless monochromatic hues complement most interiors.

\*Colours may vary in each variegated mix due to the material's upcycled origins.

Despite the material's recycled origins, the process of chipping bottles into sortable recycled PET flakes makes it easier to produce a precise palette of colours. The BAUX Acoustic Felt palette ranges from a thoughtful trio from the greyscale to the more saturated hues of Coral and Jade.



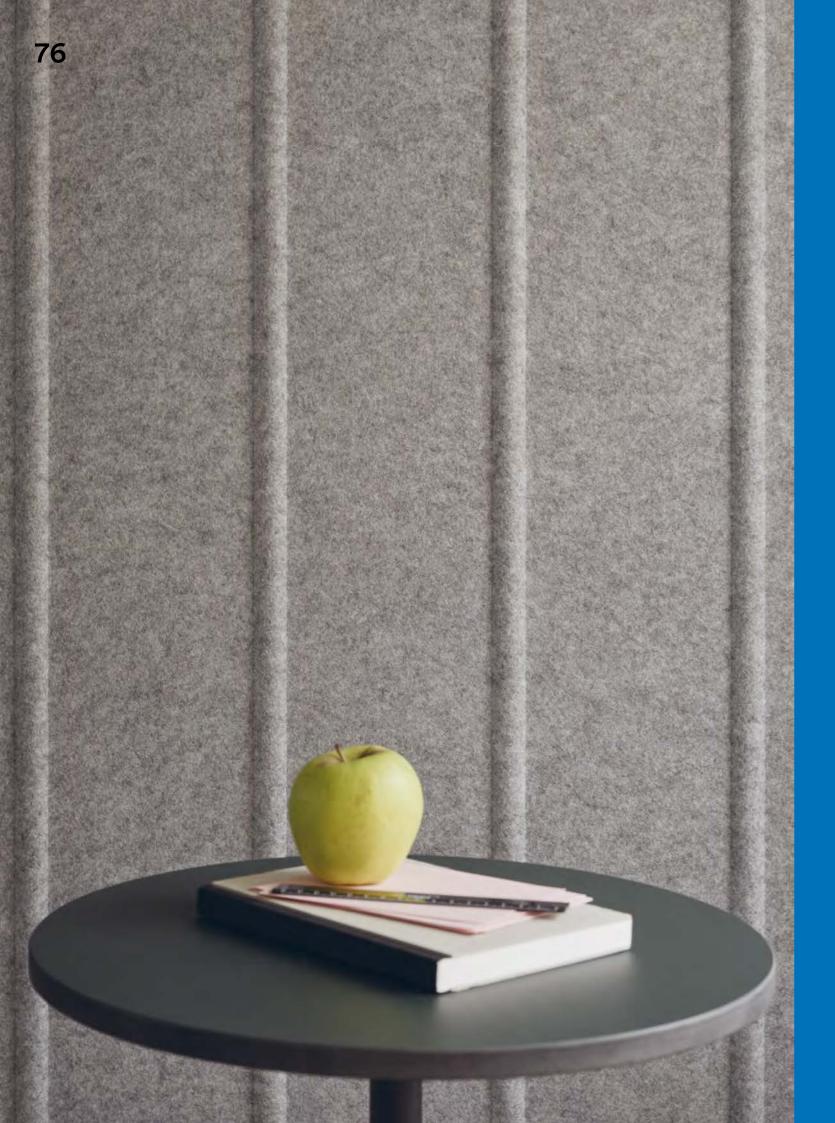


Dark Grey





Jade Green

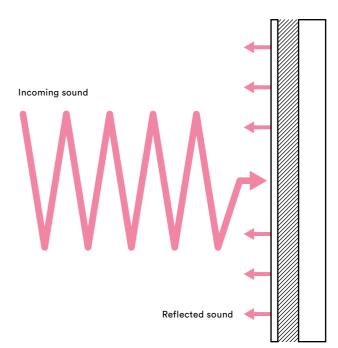


# ACOUSTICS



The aim of acoustic design is to serve the function of a space and the collective needs of the people using it.

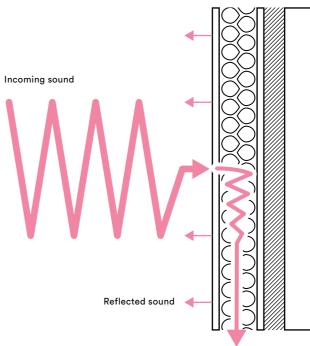
Before treatment:



# Acoustical benefit: Absorbs sound.

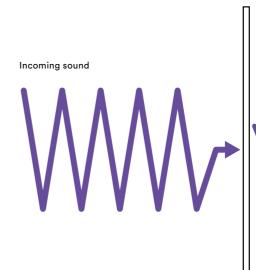
Thanks to its dense and porous network of fibres, BAUX Acoustic Felt is an ideal solution for turning down the volume in high occupancy spaces or more private areas dedicated to rest or focus. When sound waves encounter the screen, part of the energy is absorbed by the surface, reducing the amount that can be reflected back into the environment.

After treatment:



Absorbed sound

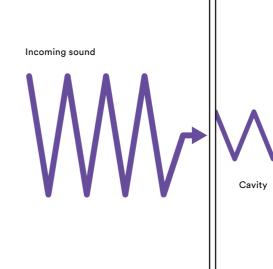
Before treatment:



# Acoustical benefit: Blocks sound.

The compact nature of BAUX Acoustic Felt makes it well suited for blocking sound in multi-functional spaces where social areas or noise sources need to be walled off to prevent the disturbance of others. When sound waves encounter the screen, part of the energy gets trapped in the surface, reducing the amount that can continue travelling onward.

After treatment:





Transmitted sound

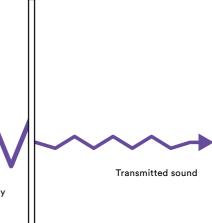
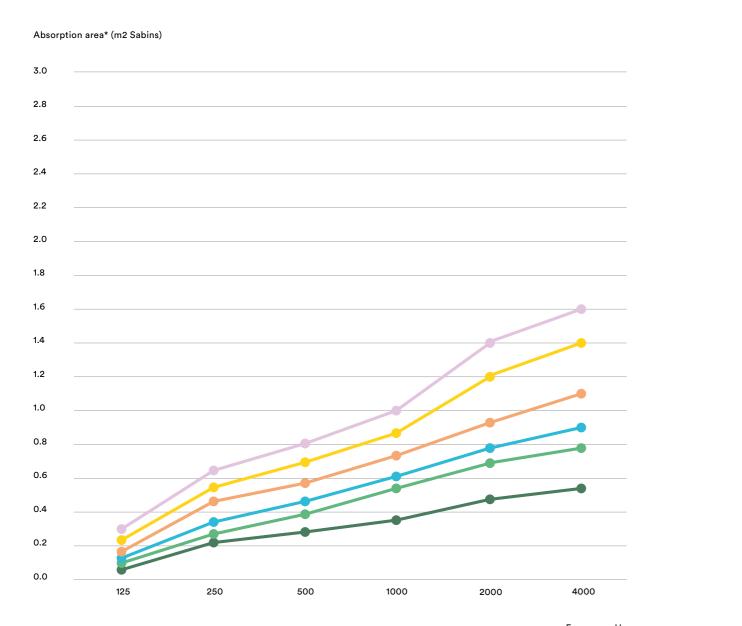


Table screens

### **Floor screens**

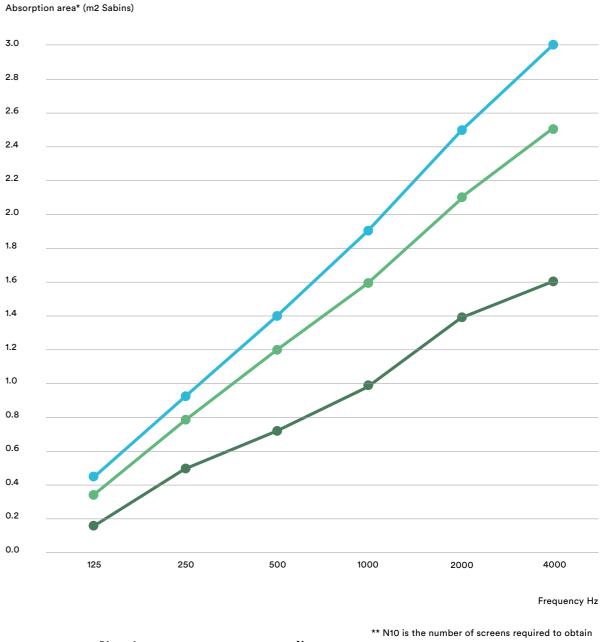


Frequency Hz

	Dimension	N <sub>10**</sub>
•	70 × 40	36
•	70 × 60	26
•	120 × 40	22
•	120 × 60	14
•	140 × 40	17
	140 × 60	12

10 square metres effective sound absorption area for speech. Technically, the N10 measure is based on the unisex speech spectrum found in IEC 60268-16, and it was found that the 500 Hz octave band has the largest impact. The N10 measure is calculated from the product's sound absorption area in the octave bands between 125 - 4000 Hz (following the Swedish standard SS 25269). The N10 value is simply 10 divided by the sound absorption area at 500 Hz. N10 is therefore a simple way to describe the effective sound absorption for speech of single products, and the requirement can be adapted to various product sizes. Source: acousticfacts.com.

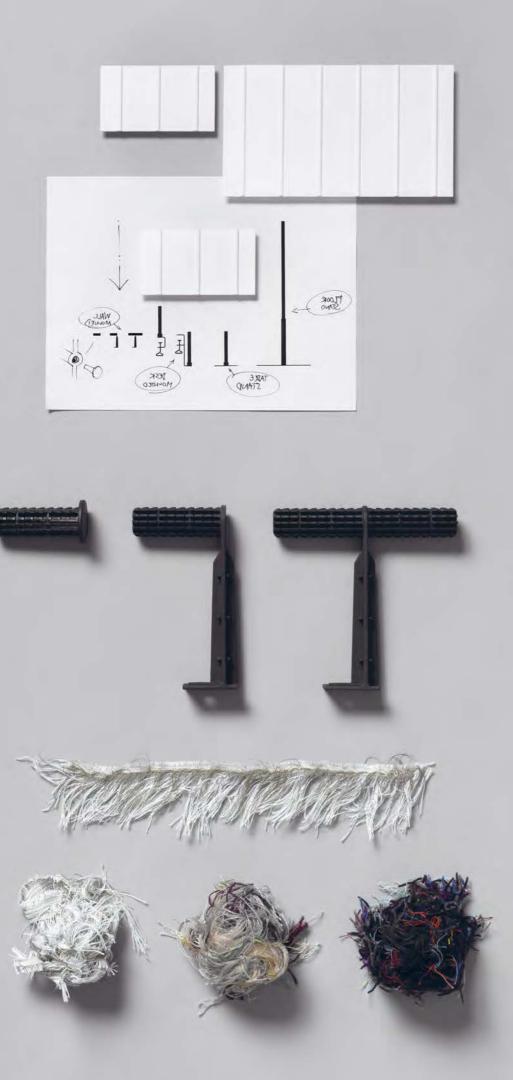
\*\* N10 is the number of screens required to obtain



	Dimension	N <sub>10**</sub>
•	70 × 120	14
•	120 × 120	8.3
•	120 × 140	7.1

10 square metres effective sound absorption area for speech. Technically, the N10 measure is based on the unisex speech spectrum found in IEC 60268-16, and it was found that the 500 Hz octave band has the largest impact. The N10 measure is calculated from the product's sound absorption area in the octave bands between 125 - 4000 Hz (following the Swedish standard SS 25269). The N10 value is simply 10 divided by the sound absorption area at 500 Hz. N10 is therefore a simple way to describe the effective sound absorption for speech of single products, and the requirement can be adapted to various product sizes. Source: acousticfacts.com.





# **SPECIFICATIONS**

# BAUX **Acoustic Felt**

Unpacking and handling:

Please handle BAUX products with care during unpacking and installation. Be sure to inspect materials upon delivery and document any damages on the delivery and notify BAUX immediately.

Use and maintenance: BAUX products do not require subsequent care. However, we recommend light cleaning using a vacuum cleaner. Should vacuum-cleaning prove insufficient, you can wipe the screens using a damp cloth. Cleaning liquids may be used.

### BAUX

**Textile Offcuts:** 

### **Composition of ingredients:**

Ingredient:	Share (%):	Function:	Certificates:
Textile offcuts	40%	Matrix	Oeko-Tex ® Standard 1000 Product Class IV Chemicals in dyeing are approved to REACH regulation no. 1907/2006.
Thermoplastic fibre	50%	Binder	CO-PET/PET, 4dn. CAS: 24938-04-3.
Polyester fibre	10%	Binder	PET, 12/13 dn. CAS: 25038-59-9.

### Benefits:

Instead of creating more plastic, we made our felt out of textile offcuts which would have otherwise been sent to the incinerator. Sourced in partnership with The Loop Factory, the offcuts consist of 100% polyester-based threads rescued from Swedish textile factories. To give the acoustic material its structure, they are combined with a low melt polyester fibre.

### Tolerances:

True to its upcycled origins, our felt is naturally variegated in colour. Each batch of threads is dyed locally in a closed process that follows Swedish environmental legislation. The chemicals used are approved by REACH for the protection of human health and the environment. The resulting trio of effortless monochromatic hues complement most interiors.

### **Textile Offcuts** colours:







Black Mix

BAUX Recycked PET:

### **Composition of ingredients:**

Ingredients:

100 % PET whereof 60-65 % Post Consumer Recycled content Oeko - Tex Standard 100, class I 100 % Recyclable.

GRS Certified source of recycled PET Accredited by IOAS Source: Recycling entities across Europe



The GRS is an international, voluntary, full product standard that sets out requirements for third-party certification of recycled content, chain of custody, social and environmental practices, and chemical restrictions. The goal of the GRS is to increase the use of recycled materials in products and reduce/ eliminate the harm caused by its production. GCL Internationals's accredited scope for GRS includes among other things content of recycled fibers in textile products and the content of recycled plastic in plastic products.

Recycled PET colours:



Light Grey

Grey



Coral Red





White Mix

Grey Mix



IOAS is a non-profit organization dedicated to the integrity of ecolabel claims in the field of organic and sustainable agriculture, environmental management, social justice, and fair trade. IOAS works internationally to assess the competence of organizations providing certification to "sustainability" standards such that producers can work in a fair environment and consumers can trust the products bearing these labels; our contribution to a more sustainable and fairer world.



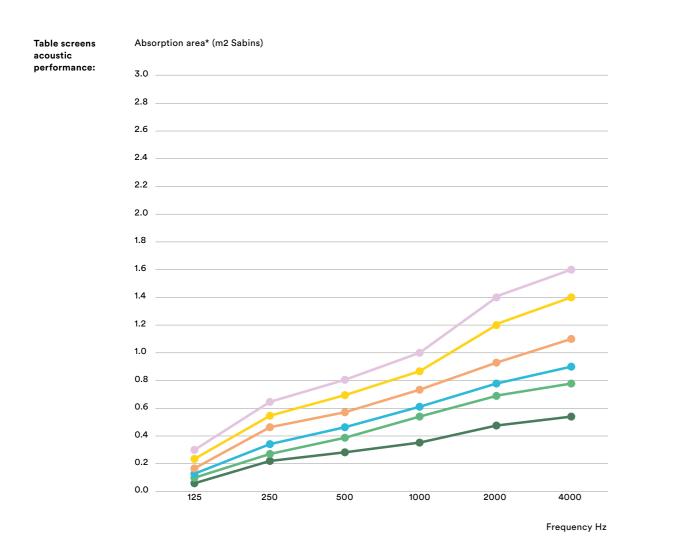


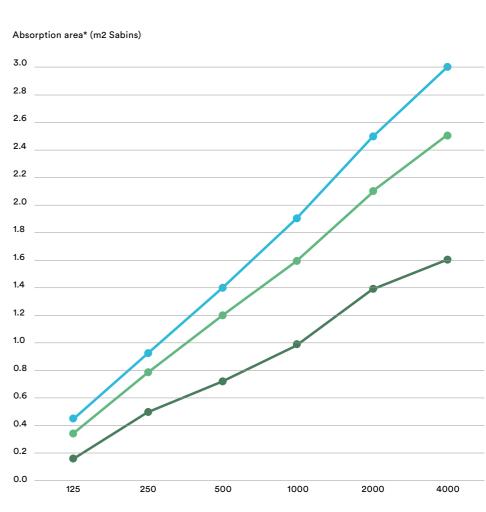
Dark Grey





Jade Green





Floor screens

performance:

acoustic

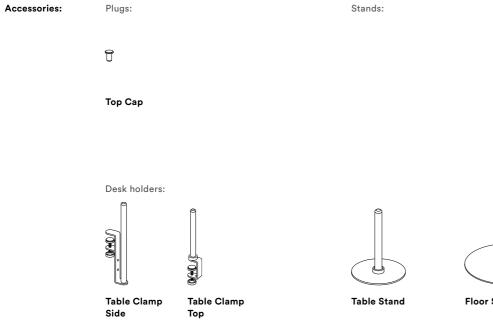
	Dimension	N <sub>10**</sub>
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•	120 × 60	14
•	140 × 40	17
•	140 × 60	12

	Dimension	N <sub>10**</sub>
•	70 × 120	14
•	120 × 120	8.3
•	120 × 140	7.1

\*Calculated sound absorption area from ISO 354:2003 reverberation room measurements, evaluated according to ISO 20189:2018.

\*\* N10 is the number of screens required to obtain 10 square metres effective sound absorption area for speech. Technically, the N10 measure is based on the unisex speech spectrum found in IEC 60268-16, and it was found that the 500 Hz octave band has the largest impact. The N10 measure is calculated from the product's sound absorption area in the octave bands between 125 - 4000 Hz (following the Swedish standard SS 25269). The N10 value is simply 10 divided by the sound absorption area at 500 Hz. N10 is therefore a simple way to describe the effective sound absorption for speech of single products, and the requirement can be adapted to various product sizes. Source: acousticfacts.com.

Frequency Hz

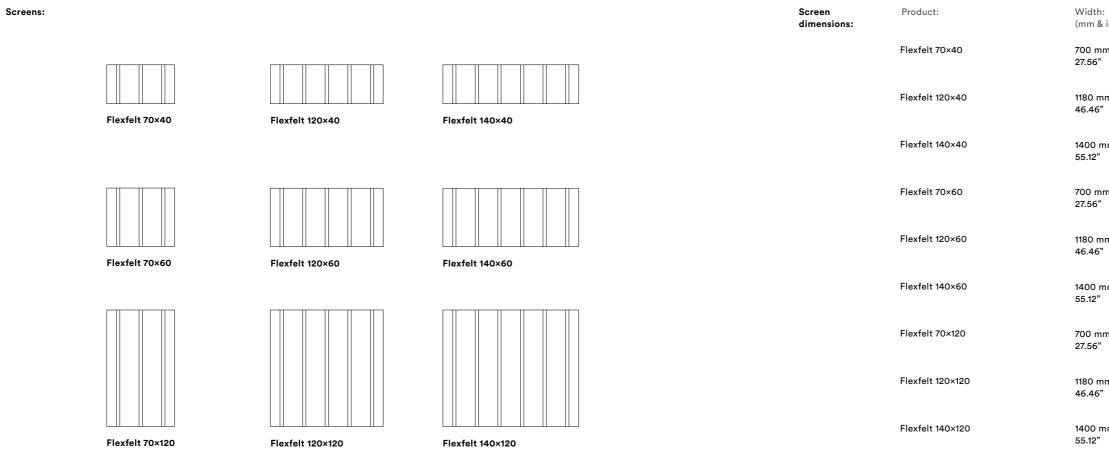


Accessory dimensions:	Product:	Dimensions (mm):	Dimensions (inch):
	Table Clamp Side (Suitable for tables that are 12-50 mm thick.)	320 × 100 × 32 mm	12.6 × 3.94 × 1.26"
	Table Clamp Top (Suitable for tables that are 12-50 mm thick.)	295 × 50 × 32 mm	11.61 × 1.97 × 1.26"
	Table Stand	Ø 150 × 193 mm	Ø 5.91 × 7.6"
	Floor Stand	Ø 350 × 891 mm	Ø 13.78 × 35.08"

Тор

Floor Stand

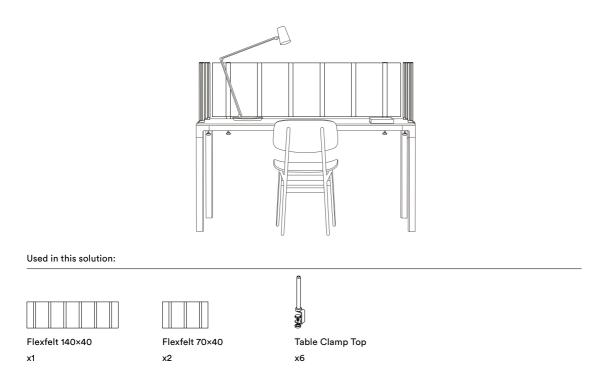
 $\bigcup$ 

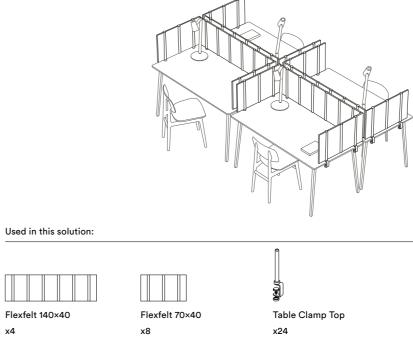


: (inch)	Height: (mm & inch)	Thickness: (mm & inch)
m	400 mm 15.75"	36 mm 1.42"
ım ,	400 mm 15.75"	36 mm 1.42"
nm	400 mm 15.75"	36 mm 1.42"
m	600 mm 23.62"	36 mm 1.42"
nm ,	600 mm 23.62"	36 mm 1.42"
nm	600 mm 23.62"	36 mm 1.42"
m	1200 mm 47.24"	36 mm 1.42"
nm ,	1200 mm 47.24"	36 mm 1.42"
nm	1200 mm 47.24"	36 mm 1.42"

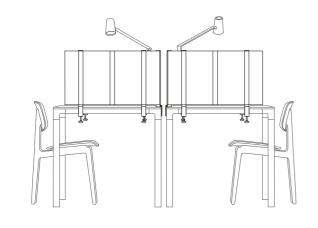
### Private booth - 1 seat

### Private booth - 4 seats

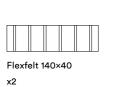




### Private booth - 2 seats



Used in this solution:





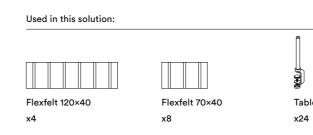
x4

Table Clamp Top x12

ð

# Private booth - 4 seats





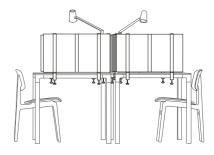
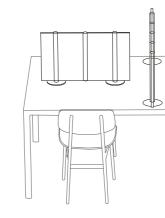


Table Clamp Top

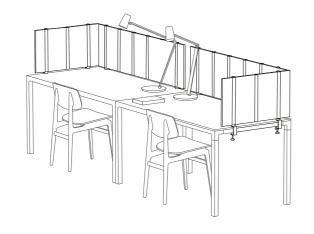
# Private booth - 3 seats Image: search of the solution Image: search of the solution

### Open desk - 4 seats



Used in this solution:

### Team booth - 2 seats

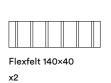


ð

x8

Table Clamp Top

Used in this solution:

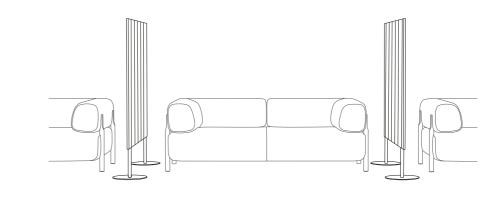


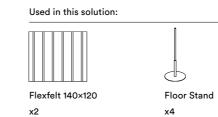


x2

×40

# Sofa divider

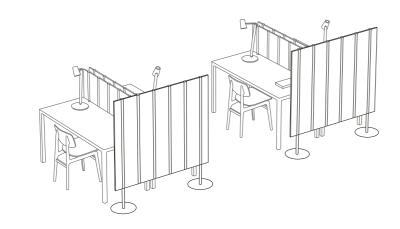




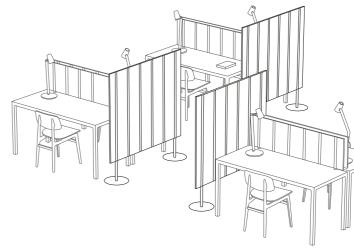


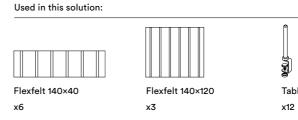
### Workspace divider

### Workspace divider

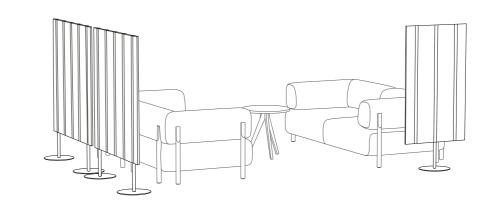




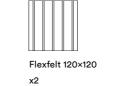




Sofa divider



Used in this solution:

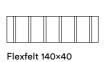




Flexfelt 70×120

x1

Used in this solution:



x2



Workspace divider





đ

 $\Delta \Gamma$ Floor Stand x4

98

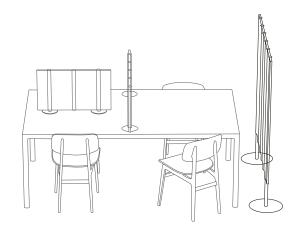
Table Clamp Top

T Floor Stand x6

Floor Stand

# 100

# Workspace divider



Used in this solution:



Flexfelt 70×40 x2





Table Stand x4

Floor Stand x2

### **Privacy space**



### Used in this solution:



 $\mathbb{T}$ Floor Stand

x8

x4



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