

# CultureIN

RESPONSIBLE AND SUSTAINABLE DESIGN  
OF LIVING AND WORKING SPACES



  
FLAX FIBER AND FRENCH MANUFACTURING



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## CHANGING INTERIOR DESIGN

### INDOOR AIR POLLUTION

Materials used in construction and decoration play a major role on the quality of our indoor air. Indoor air pollution impacts our health.



**80%**

80% is the average ratio of time spent indoors (transport, living, office...).



Indoor air is **10x** more polluted than outdoor air.

**VOCs** (Volatile Organic Compounds) are the main cause of this indoor pollution. They are mainly present in the building industry:

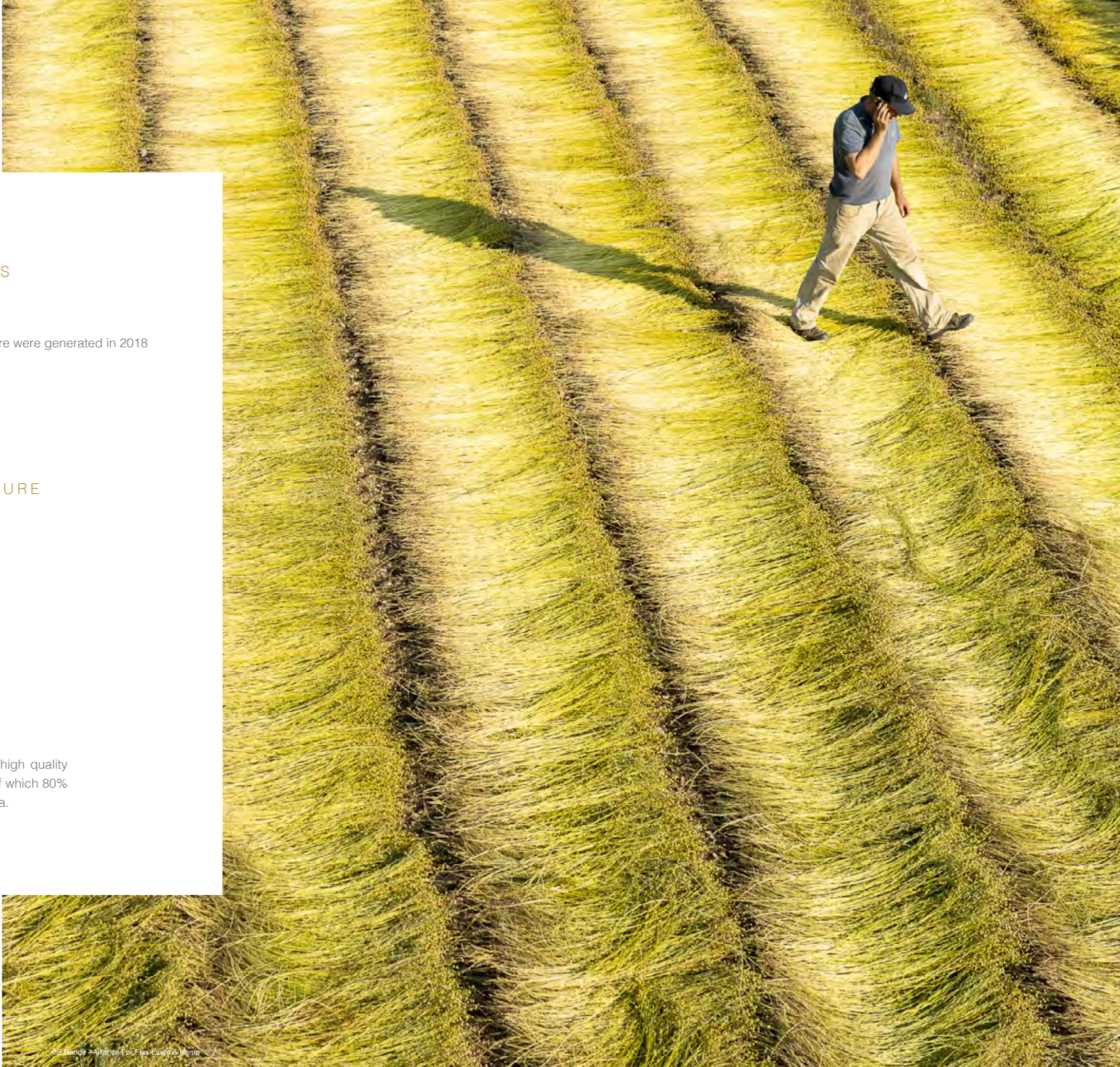
- Building materials
- Furniture, furnishings, decoration
- Glue
- Paint, varnish, wallpaper...

The inhalation of **VOCs** in ambient air can have a variety of consequences on our health :

- Eye irritation, dermatological allergies
- Headaches, neurological disorders
- Fatigue, drowsiness
- Respiratory disorders

(Sources : ADEME)





## WASTE FURNITURE ELEMENTS

**1 300 000** of waste furniture were generated in 2018  
TONNES

## FLAX, MATERIAL OF THE FUTURE



### AN ECOLOGICAL MATERIAL

- Plant-based material
- No irrigation
- Biodegradable
- VOC-free
- Positive carbon impact



### ORIGIN FRANCE

Leading producer worldwide of high quality flax (70% of world production), of which 80% of production is exported to China.



# 01

ABOUT **CULTURE** IN



## THE **CULTURE** IN SOLUTION

An industrial and creative company, Culture iN designed Varian®, a material half way between composite materials and textile. "For a long time I wanted to change our living spaces, often polluted, with an approach focusing on users looking for well-being: sensorial appeal, respect for health and the environment. I created Culture In in 2014 with the ambition of positioning the company as a driving force in the promising sector of biosourced materials." Three years of research and development led to the creation of Varian®, a functional, decorative and renewable material. Varian® can be considered to be a «structuring textile» intended for the furnishing and interior design markets for homes and transport.

DAVID AMBS  
Président of Culture iN  
Creator of Varian®

# Varian®

## VARIAN® AND ITS ADVANTAGES

Varian® is a unique and innovative material made of 60% flax. It is a weaving combining flax yarns (from France) and biosourced PLA resin (from corn starch). Varian® is an ecological, technical and design material.

### ECOLOGICAL ADVANTAGES



**Biosourced material** : Varian® is a sustainable material designed with respect for people and environment.



**VOC-free** : The Varian® operates on the quality of indoor air, it does not emit VOCs.



**Local manufacturing** : The Varian® is manufactured in France and Belgium.



**Recycling** : The R&D department is working on recycling methods.

### TECHNICAL ADVANTAGES



**Thermoforming** : Varian® is a structuring textile that can be shaped by hot forming process thanks to the PLA resin.



**UV resistance** : Complies with the standard NF EN ISO 105 B02



**M1 fireproof** : Varian® can be fireproofed to M1, on request, in accordance with the ERP standards in force (standard NF P 92-501)



**Acoustics** : Flax fibre, the main component of Varian®, is a hollow fibre, which naturally contributes to increasing the performance of an acoustic foam.

### DESIGN ADVANTAGES



**Colours** : Varian® is available in 7 standard colours. It is also possible to create a custom colour (on reference).



**Finishes** : Varian® allows for identical assembly possibilities (sewing, closing...) and finishing (bias, eyelets...) identical as a textile.



**Patterns** : The hot forming of the Varian® allows the creation of different patterns: undulations, embossing...



02

**ECO-DESIGN**





## ECO-DESIGN

### WHAT IS ECO-DESIGN ?

Systematic integration of environmental aspects in product design and development of products with the objective of reduction of negative environmental impacts throughout their life cycle for equivalent or better service. This approach from the beginning of a design process aims to find the best balance between environmental, social, technical and economic requirements in the design and development of a product.



### FOCUS ON ENVIRONMENTAL FLAX FOOTPRINT

Flax is a 100% vegetable fibre, renewable and respectful of the environment. Its cultivation requires no irrigation (rainwater is sufficient), no GMOs and no defoliants. Every year, 250,000 tonnes of CO<sub>2</sub> are retained by cultivation of European flax, it therefore has a positive impact (Source: CELC)

The retting is done on land. This is the first 100% natural phase of the plant's transformation into fibre. The next step is scutching, which is the extraction of the fibre: a 100% mechanical step. The entire plant is recovered, all the co-products of the plant are used (long and short fibres, seeds, shives, dust, etc.).

## HOW IS CULTURE IN PART OF AN ECO-DESIGN APPROACH ?

From cultivation to delivery, at Culture iN every step of the process is thought in favour of environment.



### THE RAW MATERIALS

Varian® is a biobased material, composed of plant origin materials, which are respectful of humans and environment.

By using French linen (Masters of Linen® label) and a biosourced PLA plant resin (Responsible Care Label), the Varian® meets the BREEAM and LEED environmental certifications. These environmental labels certify the compatibility of the Varian® with the requirements of energy and environmental performance requirements in the building industry.



### THE CHOICE OF SUPPLIERS AND SUBCONTRACTORS

Culture iN is committed to reducing the environmental impact of its production, in particular by working with local partners (cutting, metal or wood structure, screws...) and by selecting engaged subcontractors (weaving, dyeing...).



### THE PRODUCTION

The design of our projects is based on an eco-design approach (origin of materials, short circuit, assembly...). Our products are manufactured without glue, everything is done by mechanical assembly. This process allows us to separate all the components at the end of their life to facilitate their recycling. Culture iN products are developed and manufactured in the West of France, in Montaigu in the Vendée.



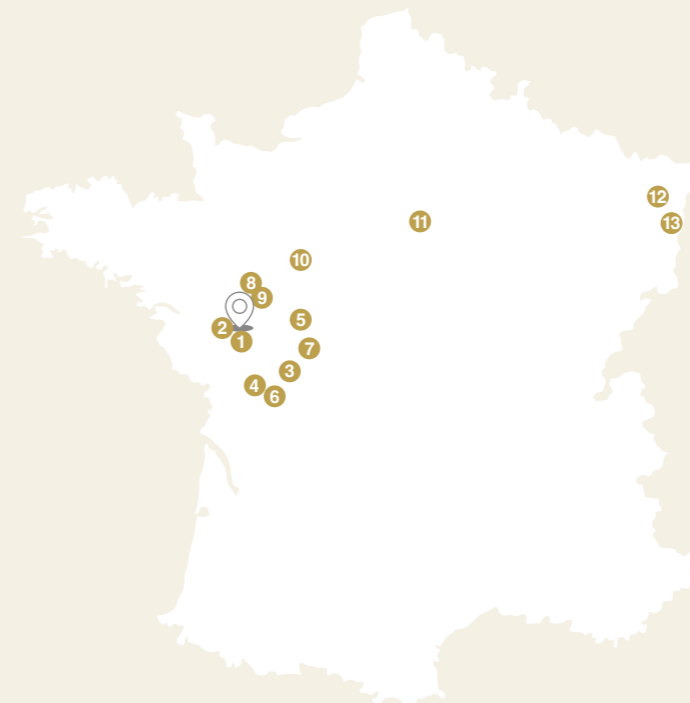
### RECYCLING

Culture iN is working on ways to recycle the Varian® (recovery of the material at the end of its life and its use as a new product/material).



## LOCAL PARTNER CARD

We work with French partners, as close as possible to our factory.



1. Metal (85) : 1 km
2. Wooden mould (44) : 9 km
3. Paint (85) : 32 km
4. Aluminium (85) : 36 km
5. Cutting (49) : 36 km
6. Wood (85) : 38 km
7. Metal (85) : 45 km
8. LEDs (44) : 45 km
9. Aluminium (44) : 45 km
10. Laminating (49) : 115 km
11. Rail (94) : 420 km
12. Acoustic foam (67) : 850 km
13. Wire (67) : 900 km





**BREEAM** : Evaluation of the energy and environmental performance of buildings.



**LEED** : Valuation of ecological architecture and high environmental quality buildings.



**Indoor Air Comfort** : Highlights products with the lowest emissions in their category, impacting positively indoor air quality.



**French Fab** : Embodies the companies, economic actors, institutions and industrial sites located in France that share the desire to develop French industry.

OUR CERTIFIED PARTNERS



**MASTERS OF LINEN®** : Guarantee of traceability of european flax, from the plant to the yarn and the fabric.



**OEKO-TEX® Standard 100** : Label held by our subcontractors guaranteeing the quality of the textile and accessories used in the manufacturing process.



**Responsible Care** : Encourages continuous improvement and excellence in environmental, health and safety issues (biobased PLA plant resin oil-free).



**GOTS** : Guarantees environmentally and socially responsible production and quality requirements (manufacturing and dyeing).



**REACH** : Allows secure the manufacture and use of chemical substances in European industry.



**ISO 9001** : Gives guarantees in terms of organisational quality within any type of structure. Many of our partners are ISO9001 certified.

## THE LIFE CYCLE



### BIOBASED RAW MATERIAL

We use French flax (Label Masters of Linen®) as well as a vegetable PLA resin, biosourced without petroleum (Reponsible Care label).

1



### LOCAL MANUFACTURING

The manufacturing, dyeing (GOTS label) and weaving are made in France and Belgium.

2



### USE

Our products are VOC-free, which contributes to the air quality, indoor wellbeing and improved acoustic comfort.

3



### END OF LIFE

We take care of the recovery, separate and manage the end-of-life components (industrial composting or reuse).

4





03

**ACOUSTICS**



## ACOUSTIC CHARACTERISTICS OF VARIAN®

Varian® has an acoustic performance of 0.2 $\alpha$ w.  
Flax fibre, the main component of Varian®, is a hollow fibre, naturally contributing to increase the performance of an acoustic foam.

## THE IMPORTANCE OF ACOUSTIC WELL-BEING

Acoustic comfort is an important element of the quality of life in a space. The various sources of noise and noise pollution cause discomfort, disturbance of alertness and affect health in the long term (stress, sleep disorders, etc.).

Acoustic comfort is characterised by the absence of noise pollution from the outside (urban traffic, neighbours, etc.) or inside (discussions, appliances, music, etc.) To improve acoustic comfort, action can be taken on :



### SOUND ABSORPTION

It allows the sound environment of a space to be improved by using absorbent materials, through acoustic correction using panels and other solutions on the wall or ceiling. The absorption coefficient of a material is calculated in Alpha Sabine and is between 0 and 1.

For a material with low absorption, the coefficient will be close to 0. If the material is close to 1, it will be a very good sound absorber.



### ACOUSTIC DIFFUSION

It allows the sound energy of a space to be controlled. In contrast to absorption, diffusion will reflect the sound energy uniformly in all directions in a space.



### ACOUSTIC ATTENUATION

It consists in reducing the transfer of sound in a space. Solutions such as space dividers, office screens or vertical suspensions are to be favoured to respond to this acoustic problem.



©Patty Neu

# D4

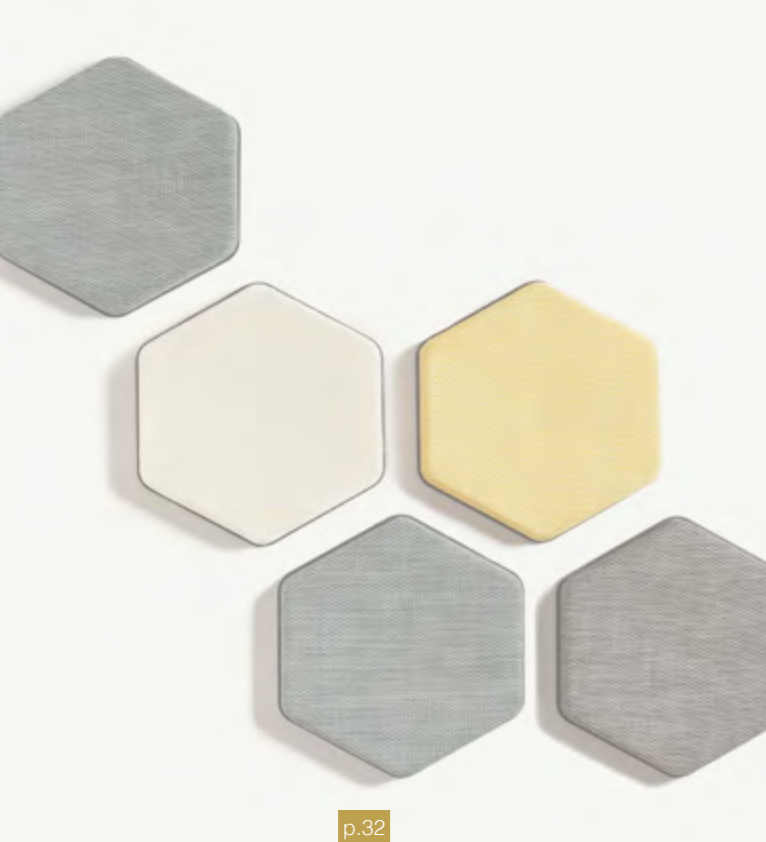


All Culture iN products are designed and manufactured in Vendée, in France.

#### LEGEND :

-  Product dimensions (mm)
-  Product weight
-  Acoustic product
-  Luminous product
-  Product for visual separation
-  M1 fire resistant option available

## STANDARD PRODUCTS



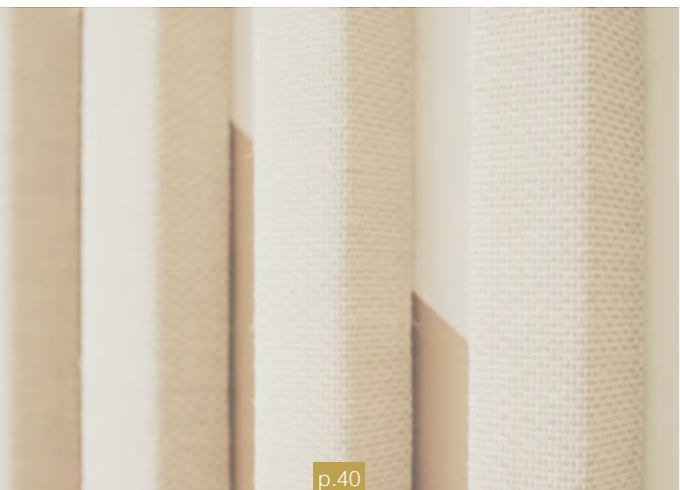
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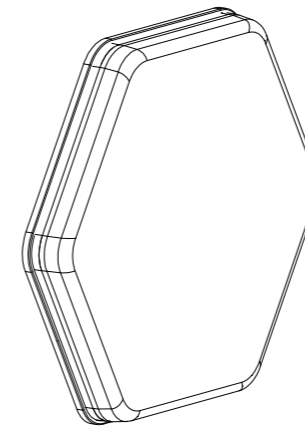
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## WALL COVERINGS



# HEXAGONAL SLAB

Ideal for design and ecological interior, our hexagonal slabs have been designed for wall or ceiling cladding. The different sizes allow you to create harmonious compositions, to mix colours and options.



**S** | W 240 - H 266 - D 45  
 0,4 kg  
 REF: 1PADH001

**M** | W 384 - H 431 - D 45  
 1 kg  
 REF: 1PADH002  
 REF: 1PADH002D

**L** | W 595 - H 675 - D 45  
 2,7 kg  
 REF: 1PADH003  
 REF: 1PADH003D

## OUR LOCAL PARTNERS

100% of the elements in our slabs are sourced in France within a radius of 115 km from our factory.

## ACOUSTIC INFORMATION

Flax fibre, the main component of Varian®, is a hollow fibre, naturally contributing to increase the performance of an acoustic foam.

## LED INFORMATION

PRODUCT REFERENCE	Size M 1PADH002D	Size L 1PADH003D
Length of LED ribbon (m)	1.2	2
Light temperature (°K)	3000	3000
Power of the product (w)	12	19
Luminous intensity of the product (lm)	1320	2200
Power supply (w)	18	40

ALPHA SABINE (AW)	ABSORPTION AREA EQUIVALENT (m²)
<b>&gt; 0,50</b>	Size S (1PADH001) : 0,04
	Size M (1PADH002) : 0,08
	Size L (1PADH003) : 0,18

## FIRE INFORMATION

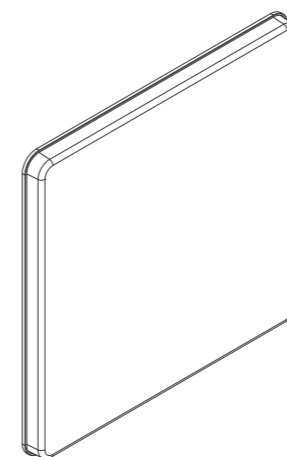
According to Article AM9 of the ERP, if the total surface area of all the elements projected on the vertical walls is less than 20% of the total surface area of the walls, the elements do not require a fire classification. The M1 fireproof option is only available for acoustic references.





## SQUARE SLAB

Ideal for design and ecological interior, our square slabs have been designed for wall or ceiling cladding. The square slab allow to make harmonious compositions with rectangular slabs, to mix colors and options.



- M**
- L 360 - H 360 - P 45
  - 1 kg
  - REF: 1PADC001
  - REF: 1PADC001D

- L**
- L 720 - H 720 - P 45
  - 2 kg
  - REF: 1PADC002
  - REF: 1PADC002D

### OUR LOCAL PARTNERS

100% of the elements in our slabs are sourced in France within a radius of 115 km from our factory.

### ACOUSTIC INFORMATION

Flax fibre, the main component of Varian®, is a hollow fibre, naturally contributing to increase the performance of an acoustic foam.

### LED INFORMATION

PRODUCT REFERENCE	SIZE M 1PADC001D	SIZE L 1PADC002D
Length of LED ribbon (m)	1,44	2,88
Light temperature (°K)	3000	3000
Power of the product (w)	14	28
Luminous intensity of the product (lm)	1584	3168
Power supply (w)	18	40

ALPHA SABINE (AW)	ABSORPTION AREA EQUIVALENT (m²)
<b>&gt; 0,50</b>	Size M (1PADC001) : 0,08
	Size L (1PADC002) : 0,30

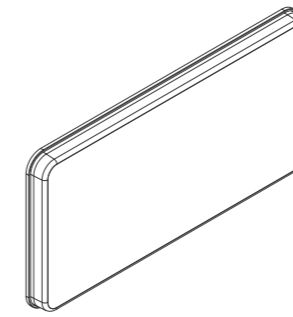
### FIRE INFORMATION





According to Article AM9 of the ERP, if the total surface area of all the elements projected on the vertical walls is less than 20% of the total surface area of the walls, the elements do not require a fire classification. The M1 fireproof option is only available for acoustic references.

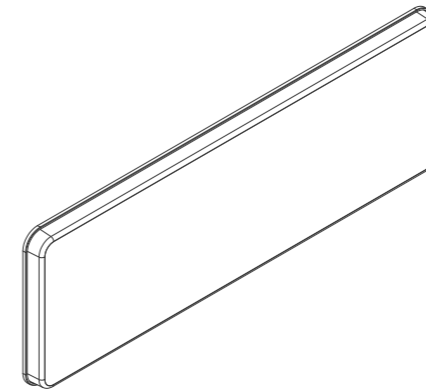






## RECTANGULAR SLAB

Ideal for a design and ecological interior, our rectangular slabs have been designed for wall or ceiling cladding. They allow you to create harmonious compositions with the square slabs, to mix colors and options.



- M**  W 360 - H 720 - D 45
-  2 kg
-  REF: 1PADR001
-  REF: 1PADR001D



- L**  W 360 - H 1080 - D 45
-  3 kg
-  REF: 1PADR002
-  REF: 1PADR002D

### OUR LOCAL PARTNERS

100% of the elements in our slabs are sourced in France within a radius of 115 km from our factory.

### ACOUSTIC INFORMATION

Flax fibre, the main component of Varian®, is a hollow fibre, naturally contributing to increase the performance of an acoustic foam.

### LED INFORMATION

PRODUCT REFERENCE	SIZE M 1PADR001D	SIZE L 1PADR002D
Length of LED ribbon (m)	2,16	2,88
Light temperature (°K)	3000	3000
Power of the product (w)	21	28
Luminous intensity of the product (lm)	2376	3168
Power supply (w)	40	40

### ALPHA SABINE (AW)      ABSORPTION AREA EQUIVALENT (m²)

**> 0,50**      Size M (1PADR001) : 0,18  
 Size L (1PADR002) : 0,27

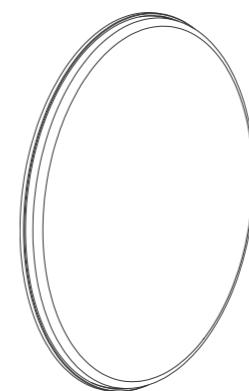
### FIRE INFORMATION

According to Article AM9 of the ERP, if the total surface area of all the elements projected on the vertical walls is less than 20% of the total surface area of the walls, the elements do not require a fire classification. The M1 fireproof option is only available for acoustic references.



## ROUND SLAB

Designed for wall cladding, the round slabs bring design and ecology to interior spaces. They are ideal to improve acoustic comfort or to create a warm atmosphere, with its luminous option.



- S**
  - ø300 - D 30
  - 0,4 kg
  - REF: 1PADD001
  - REF: 1PADD001D
- M**
  - ø450 - D 30
  - 1 kg
  - REF: 1PADD002
  - REF: 1PADD002D
- L**
  - ø600 - D 30
  - 2,5 kg
  - REF: 1PADD003
  - REF: 1PADD003D

### OUR LOCAL PARTNERS

100% of the elements in our slabs are sourced in France within a radius of 115 km from our factory.

### ACOUSTIC INFORMATION

Flax fibre, the main component of Varian®, is a hollow fibre, naturally contributing to increase the performance of an acoustic foam.

### FIRE INFORMATION

According to Article AM9 of the ERP, if the total surface area of all the elements projected on the vertical walls is less than 20% of the total surface area of the walls, the elements do not require a fire classification.

The M1 fireproof option is only available for acoustic references.

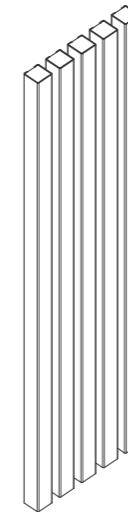
ALPHA SABINE (AW)	ABSORPTION AREA EQUIVALENT (m <sup>2</sup> )
<b>&gt; 0,50</b>	Size M (1PADD002) : 0,10
	Size L (1PADD003) : 0,16

### LED INFORMATION

PRODUCT REFERENCE	SIZE S/1PADD001D	SIZE M/1PADD002D	SIZE L/1PADD003D
Length of LED ribbon (m)	0,85	1,3	1,8
Light temperature (°K)	3000	3000	3000
Power of the product (w)	8	12	17
Luminous intensity product (lm)(lm)	935	1430	1980
Power supply (w)	18	18	38

# WALL PROFILE

Acoustic or luminous, the profiles have been imagined for a design and ecological wall covering. The different sizes offered allow you to play with heights and colors for a harmonious result.



- S**
  - W 64 - H 1400 - D 64
  - 1,5 kg
  - REF: 1PROC140
  - REF: 1PROC140D
- M**
  - W 64 - H 1800 - D 64
  - 2 kg
  - REF: 1PROC180
  - REF: 1PROC180D
- L**
  - W 64 - H 2200 - D 64
  - 2,5 kg
  - REF: 1PROC220
  - REF: 1PROC220D

WALL PROFILE

## OUR LOCAL PARTNERS

All the components of our wall profiles are sourced in France, 75% of them within a 45 km radius from our factory.

## ACOUSTIC INFORMATION

Flax fibre, the main component of Varian®, is a hollow fibre, naturally contributing to increase the performance of an acoustic foam.

## FIRE INFORMATION

According to Article AM9 of the ERP, if the total surface area of all the elements projected on the vertical walls is less than 20% of the total surface area of the walls, the elements do not require a fire classification.

The M1 fireproof option is only available for acoustic references.

ALPHA SABINE (AW)	ABSORPTION AREA EQUIVALENT (m <sup>2</sup> )
<b>&gt; 0,95</b>	Size S (1PROC140) : 0,24
	Size M (1PROC180) : 0,31
	Size L (1PROC220) : 0,38

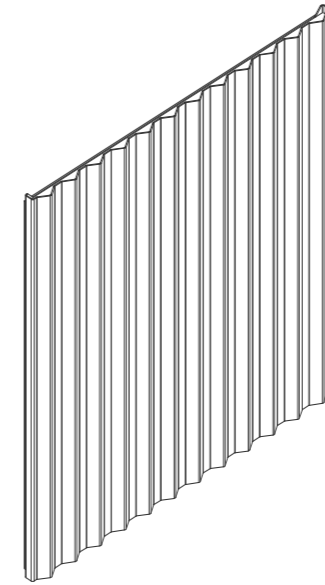
## LED INFORMATION

PRODUCT REFERENCE	SIZE S/1PROC140D	SIZE M/11PROC180D	SIZE L/1PROC220D
Length of LED ribbon (m)	1,4	1,8	2,2
Light temperature (°K)	3000	3000	3000
Power of the product (w)	13	17	21
Luminous intensity product (lm)	1540	1980	2420
Power supply (w)	18	18	40

*For all design and assembly information, please consult our technical sheets. For all other dimensions and shapes, please consult our design office.*

# WALL TABLE

Acoustic wall panels are designed for optimal wall covering. Both design and ecological, the wall panels are available in several patterns to bring movement to spaces.



- S**
  - W 800 - H 800 - D 25
  - 4,10 kg
  - REF: 1TABM001
  
- M**
  - W 800 - H 1000 - D 25
  - 5,10 kg
  - REF: 1TABM002

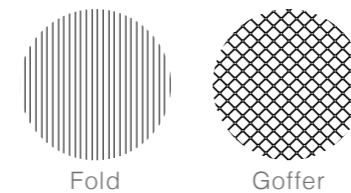
## OUR LOCAL PARTNERS

100% of the elements in our wall tables are sourced in France within a radius of 115 km from our factory.

## ACOUSTIC INFORMATION

Flax fibre, the main component of Varian®, is a hollow fibre, naturally contributing to increase the performance of an acoustic foam.

## AVAILABLE PATTERNS



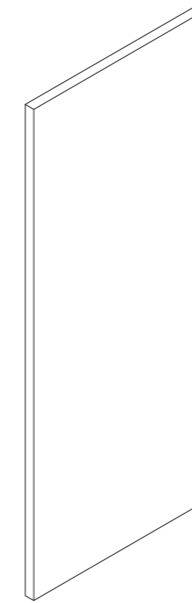
ALPHA SABINE (AW)	ABSORPTION AREA EQUIVALENT (m²)
<b>&gt; 0,50</b>	Size S (1TABM001) : 0,32
	Size M (1TABM002) : 0,40

## FIRE INFORMATION

According to Article AM9 of the ERP, if the total surface area of all the elements projected on the vertical walls is less than 20% of the total surface area of the walls, the elements do not require a fire classification.

## WALL PANEL

Acoustic panels are ideal for full wall covering. Both design and ecological, the wall panels also give an optimal acoustic comfort.



W 1000 - H 2500 - D 25

REF: 1PANM001

*Dimensions can be customised, please consult us. (maximum width 1200 mm)*

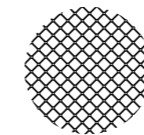
### OUR LOCAL PARTNERS

All the components of our wall panels are sourced in France, 70% of them within a 45 km radius from our factory.

### ACOUSTIC INFORMATION

Flax fibre, the main component of Varian®, is a hollow fibre, naturally contributing to increase the performance of an acoustic foam.

### AVAILABLE PATTERNS



Goffer



Undulation



Wave

ALPHA SABINE (AW)	ABSORPTION AREA EQUIVALENT(m²)
> 0,50	One Size (1PANM001) : 1,25

### FIRE INFORMATION

According to Article AM9 of the ERP, if the total surface area of all the elements projected on the vertical walls is less than 20% of the total surface area of the walls, the elements do not require a fire classification.



p.50

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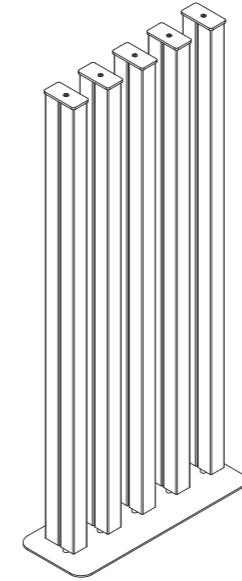
p.48

# SPACE **DIVIDERS**



# CLAUSTRA

The claustras were designed to visually and acoustically divide spaces. Designed and ecological, they are also mobile and rotating in order to adjust the location according to uses.



- S**
  - W 800 - H 1200 - D 300
  - 28 kg
  - REF: 1LATC001
  
- M**
  - W 800 - H 1500 - D 300
  - 29,5 kg
  - REF: 1LATC003
  
- L**
  - W 800 - H 1800 - D 300
  - 30,8 kg
  - REF: 1LATC002

CLAUSTRA

## OUR LOCAL PARTNERS

All the components of our claustras are sourced in France, 80% of them within a 45 km radius from our factory.

## FIRE INFORMATION

According to article AM15 of the ERP regulation, the common furniture elements do not require a fire classification.

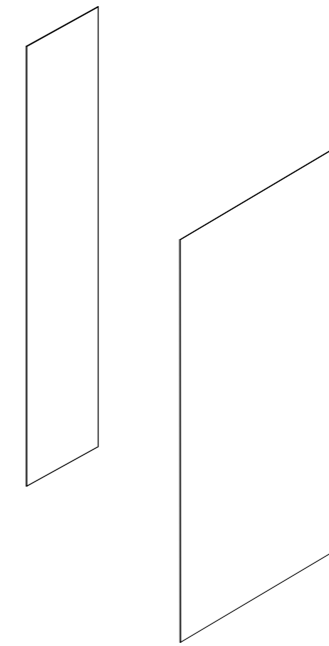
## ACOUSTIC INFORMATION

Flax fibre, the main component of Varian®, is a hollow fibre, naturally contributing to increase the performance of an acoustic foam.

ALPHA SABINE (AW)	ABSORPTION AREA EQUIVALENT (m <sup>2</sup> )
<b>&gt; 0,95</b>	Size S (1LATC001) : 2,05
	Size M (1LATC003) : 2,57
	Size L (1LATC002) : 3,08

## JAPANESE WALL

Ideal for interior design, the japanese walls have been designed to separate spaces, while allowing light to pass through. The japanese walls play with the transparency of Varian® to improve interior well-being and provide a soft and pure atmosphere.



**S** |  W 450 - H 2500  
 REF: 1PARJ001

**M** |  W 900 - H 2500  
 REF: 1PARJ002

*Height can be customised, please consult us*

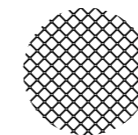
### OUR LOCAL PARTNERS

All the components of our japanese walls are sourced in France.

### ACOUSTIC INFORMATION

Flax fibre, the main component of Varian®, is a hollow fibre, naturally contributing to increase the performance of an acoustic foam.

### AVAILABLE PATTERNS



Goffer



Undulation



Wave

ALPHA SABINE (AW)	ABSORPTION AREA EQUIVALENT (m <sup>2</sup> )
<b>&gt; 0,20</b>	Size S (1PARJ001) : 0,23
	Size M (1PARJ002) : 0,45

### FIRE INFORMATION

According to article AM14 of the ERP regulation, the elements require a fire classification.



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p.54



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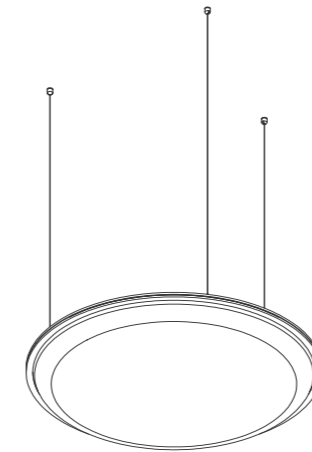


p.62

SUSPENSIONS / **CEILING**S

## DOME

The domes have been designed to dress up spaces with lightness. Suspended from the ceiling, they promote sound absorption or create a warm atmosphere with the lighting option.



- M**
- ø750 - D 50
  - 1.7 kg
  - REF: 1COUP002
  - REF: 1COUP002D

- L**
- ø1000 - D 50
  - 2.9 kg
  - REF: 1COUP001
  - REF: 1COUP001D

DOME

### OUR LOCAL PARTNERS

All the components of our domes are sourced in France, 50% within a 45 km radius from our factory.

### ACOUSTIC INFORMATION

Flax fibre, the main component of Varian®, is a hollow fibre, naturally contributing to increase the performance of an acoustic foam.

### LED INFORMATION

PRODUCT REFERENCE	Size M 1COUP002D	Size L 1COUP001
Length of LED ribbon (m)	2	3
Light temperature (°K)	2700	2700
Power of the product (w)	40	60
Luminous intensity product (lm)	5400	8100
Power supply (w)	40	75

ALPHA SABINE (AW)	ABSORPTION AREA EQUIVALENT (m²)
<b>&gt; 0,65</b>	Size M (1COUP002) : 0,55
	Size L (1COUP001) : 0,98

### FIRE INFORMATION

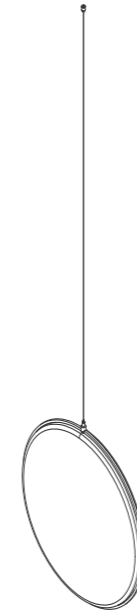
According to article AM10 of the ERP regulation, if the surface of the elements is lower than 0,50 m² and if the floor area of the room is lower than 50 m², the elements do not require a fire classification.

M1 fireproof option available only for acoustic references.



## CIRCLE

Circle are ideal for a subtle, design and ecological ceiling covering. They promote sound absorption or provide a soft ambient light with the luminous option.



- S**
  - ø300 - D 40
  - 0,4 kg
  - REF: 1CIRA001
  - REF: 1CIRL001
- M**
  - ø450 - D 40
  - 1 kg
  - REF: 1CIRA002
  - REF: 1CIRL002
- L**
  - ø600 - D 40
  - 2,7 kg
  - REF: 1CIRA003
  - REF: 1CIRL003

CIRCLE

### OUR LOCAL PARTNERS

All the components of our circle are sourced in France, 80% of them within a 115 km radius from our factory.

### FIRE INFORMATION

According to article AM9 of the ERP regulations, if the total surface area of all the elements projected on the vertical walls is lower than 20% of the total surface area of the walls, the elements do not require a fire classification.

The M1 fireproof option is only available for acoustic references.

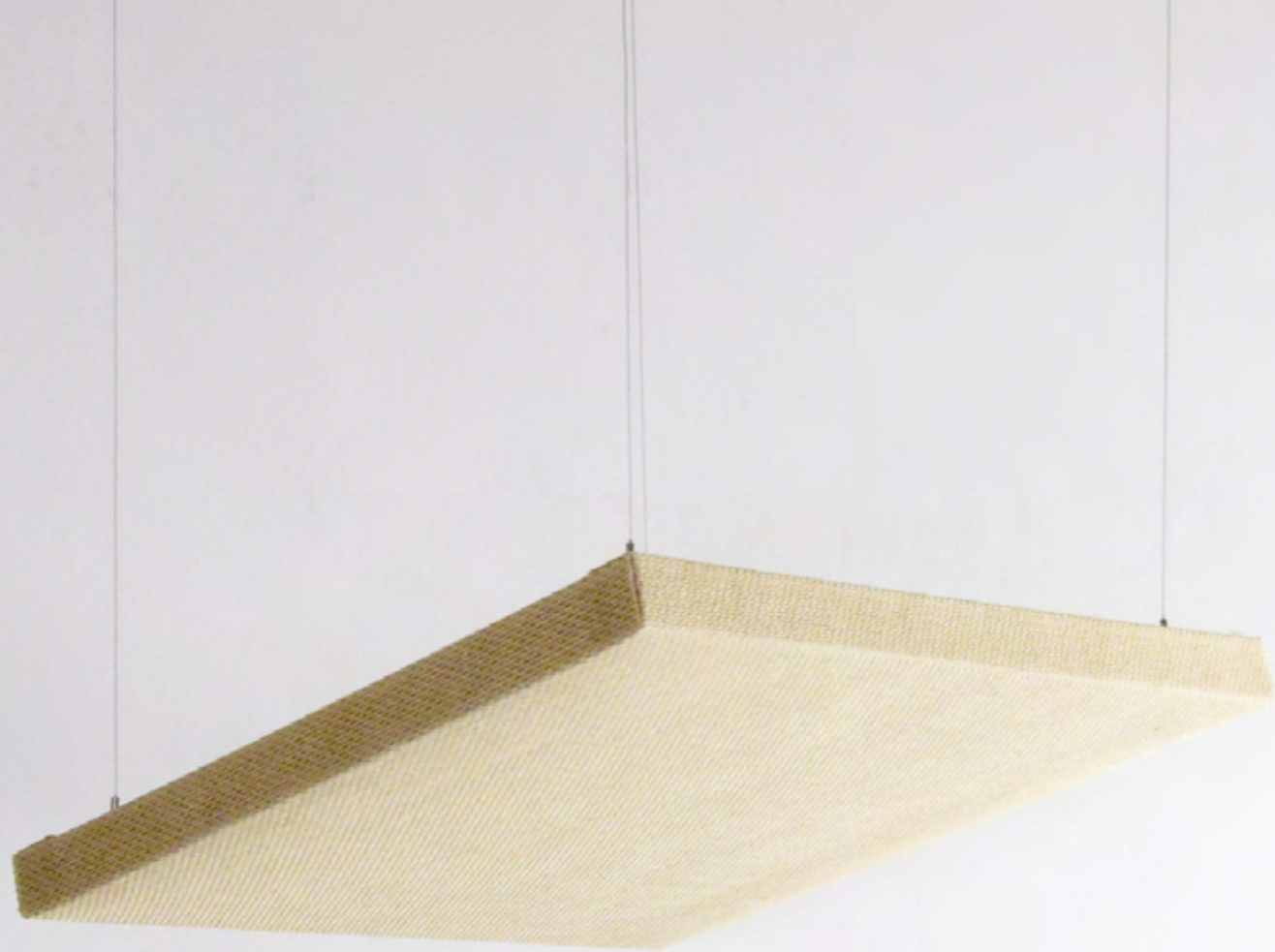
### ACOUSTIC INFORMATION

Flax fibre, the main component of Varian®, is a hollow fibre, naturally contributing to increase the performance of an acoustic foam.

ALPHA SABINE (AW)	ABSORPTION AREA EQUIVALENT (m <sup>2</sup> )
<b>&gt; 0,70</b>	Size S (1CIRA001) : 0,13
	Size M (1CIRA002) : 0,27
	Size L (1CIRA003) : 0,46

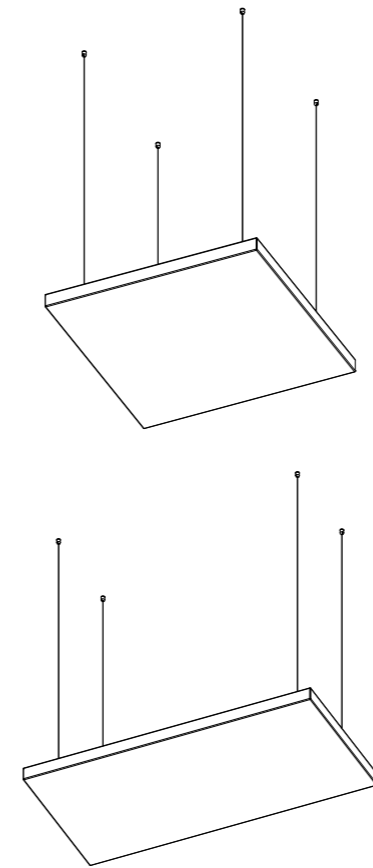
### LED INFORMATION

PRODUCT REFERENCE	SIZE S/1CIRL001	SIZE M/1CIRL002	SIZE L/1CIRL003
Length of LED ribbon (m)	1	1,5	2
Light temperature (°K)	2700	2700	2700
Power of the product (w)	20	30	40
Luminous intensity product (lm)	2700	4050	5400
Power supply (w)	40	40	40



## SUSPENDED BOX

Suspended boxes are ideal for an acoustic and ecological ceiling covering.



<b>XS</b>	W 800 - H 800 - D 50 2.4 kg REF: 1ILOC001
<b>S</b>	W 1200 - H 600 - D 50 2.4 kg REF: 1ILOR003
<b>M</b>	W 500 - H 1800 - D 50 3 kg REF: 1ILOR004
<b>L</b>	W 1200 - H 1200 - D 50 4.8 kg REF: 1ILOC003
<b>XL</b>	W 1200 - H 1800 - D 50 6 kg REF: 1ILOR002

*Dimensions can be customised, please consult us. (maximum width 1200 mm)*

### OUR LOCAL PARTNERS

All the components of our suspended BOX are sourced in France, 30% of which are located within a 38 km radius from our factory.

### ACOUSTIC INFORMATION

Flax fibre, the main component of Varian®, is a hollow fibre, naturally contributing to increase the performance of an acoustic foam.

### AVAILABLE PATTERNS



*Maximum width of the patterns : 1000 mm. For sizes L and XL, please consult us for an adaptation according to your needs.*

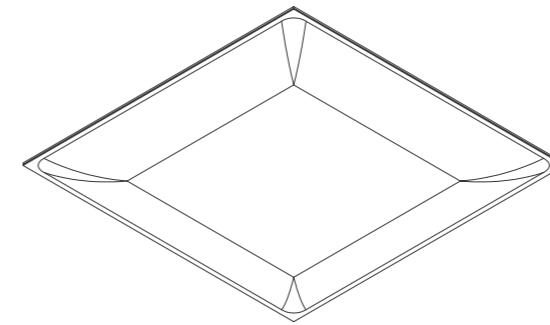
ALPHA SABINE (AW)	ABSORPTION AREA EQUIVALENT (m²)
> 0,80	Size XS (1ILOC001) : 1,15
	Size S (1ILOR003) : 1,30
	Size M (1ILOR004) : 1.62
	Size L (1ILOC003) : 2,50
	Size XL (1ILOR002) : 3,30


### FIRE INFORMATION

According to the article AM10 of the ERP regulation, if the surface of the elements is lower than 0,50 m² and if the surface on the ground of the room is lower than 50 m², the elements do not require a fire classification.

## CEILING SLAB

Ideal for the development of an interior space, our ceiling slabs have been designed to adapt to standard ceilings, the slabs are complex with an acoustic filter to promote sound absorption.



 W 600 - H 600 - D 40

 0,7 kg

 REF: 1DALP001

### OUR LOCAL PARTNERS

100% of the components of our suspended ceiling slabs are sourced in France within a 115 km radius from our factory.

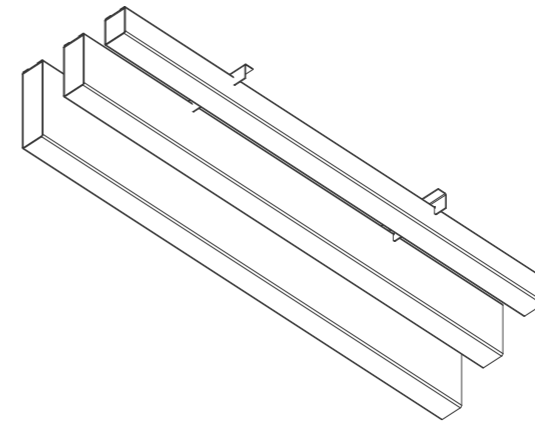
### ACOUSTIC INFORMATION

Flax fibre, the main component of Varian®, is a hollow fibre, naturally contributing to increase the performance of an acoustic foam.

ALPHA SABINE (AW)	ABSORPTION AREA EQUIVALENT (m <sup>2</sup> )
> 0,70	One Size (1DALP001) : 0,25

### FIRE INFORMATION

According to article AM5 of the ERP regulation, the elements require a fire classification.



- S**
-  W 1000 - H 64 - D 64
  -  REF: 1PROS100
  -  W 1000 - H 124 - D 64
  -  REF: 1PROM100
  -  W 1000 - H 184 - D 64
  -  REF: 1PROL100

- M**
-  W 1300 - H 64 - D 64
  -  REF: 1PROS130
  -  W 1300 - H 124 - D 64
  -  REF: 1PROM130
  -  W 1300 - H 184 - D 64
  -  REF: 1PROL130

- L**
-  W 1800 - H 64 - D 64
  -  REF: 1PROS180
  -  W 1800 - H 124 - D 64
  -  REF: 1PROM180
  -  W 1800 - H 184 - D 64
  -  REF: 1PROL180

## CEILING PROFILE

Ideal for interior design, our profiles have been designed for ceiling cladding. Complexed with an acoustic filter, they are effective in promoting sound absorption while providing a design touch to spaces.



### OUR LOCAL PARTNERS

All the components of our ceiling profiles are sourced in France, 50% within a 38 km radius from our factory.

### FIRE INFORMATION

According to article AM5 of the ERP regulation, the elements require a fire classification.

### ACOUSTIC INFORMATION

Flax fibre, the main component of Varian®, is a hollow fibre, naturally contributing to increase the performance of an acoustic foam.

ALPHA SABINE (AW)	SIZE	REFERENCE	ABSORPTION AREA EQUIVALENT (m²)
<b>&gt; 0,95</b>	Size S	1PROS100	0,17
		1PROM100	0,29
		1PROL100	0,41
	Size M	1PROS130	0,22
		1PROM130	0,38
		1PROL130	0,53
	Size L	1PROS180	0,31
		1PROM180	0,53
		1PROL180	0,73





# 05

## FINISHES



## COLORS

Varian® is available in a range of standard colours. It is also possible to create a made-to-measure colour (by reference).



NL01



NC01



NC11



NC12



NR01



NC21



NC22



NC31



NC32



NC41



NC42



CUSTOM

By reference

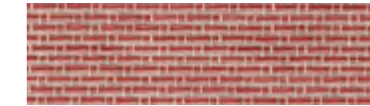
Pantone TPG range - material type



TC01



TC02



CL02



CL01



CL03



BL03



BL01



BL02



TQ02



TQ01



TQ03



SP02



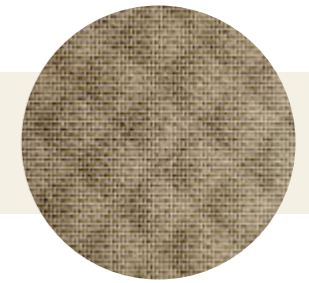
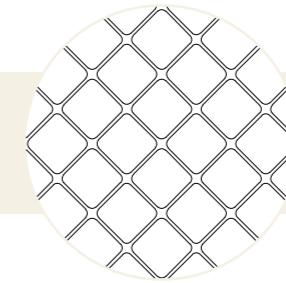
SP01



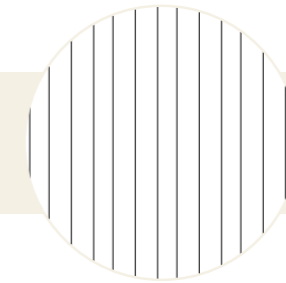
## PATTERNS

The hot forming of Varian® allows the realization of different patterns : undulations, embossing, folding...

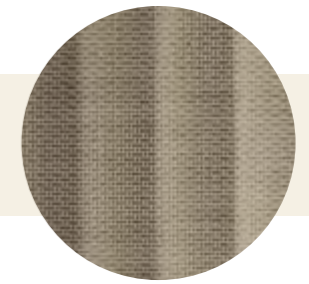
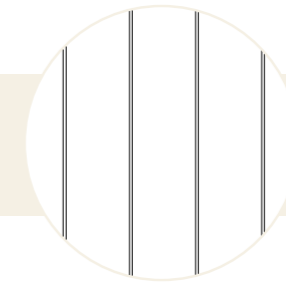
GOFFER  
REF : MTF001



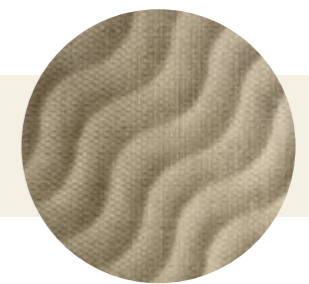
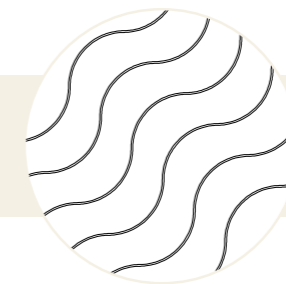
FOLD  
REF : MTF002



UNDULATION  
REF : MTF003



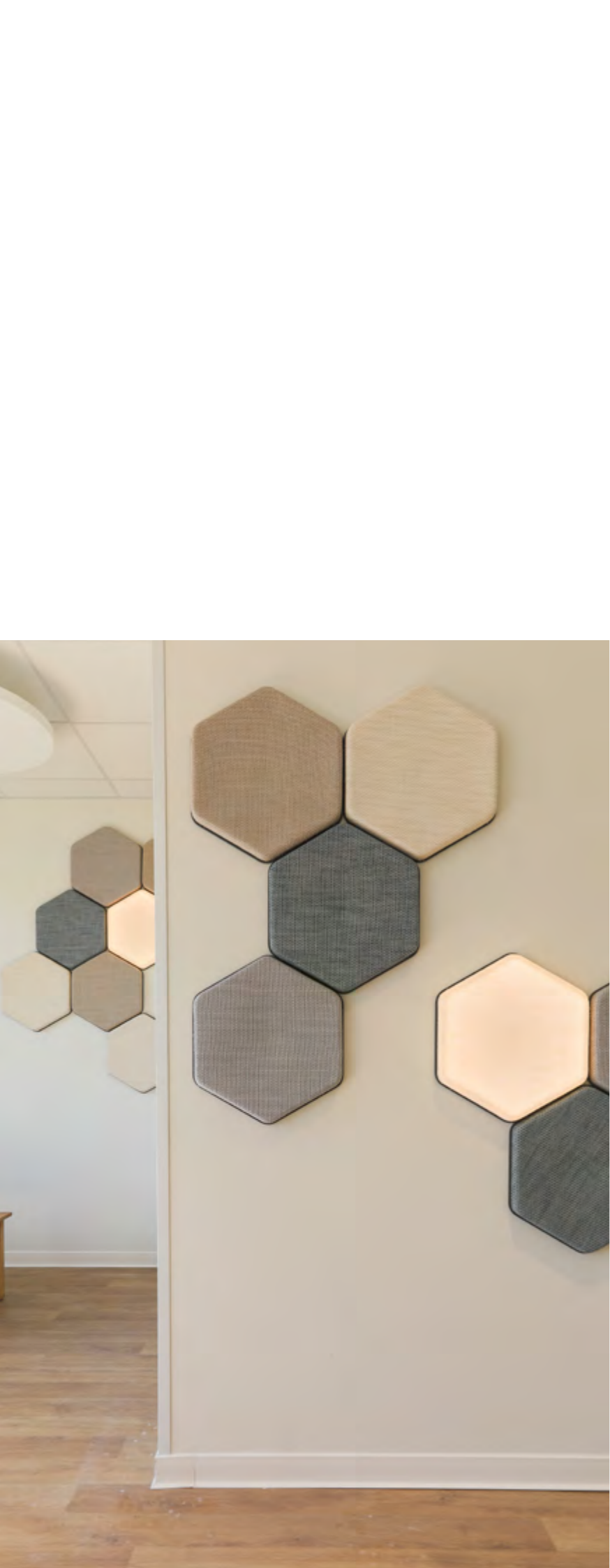
WAVE  
REF : MTF004

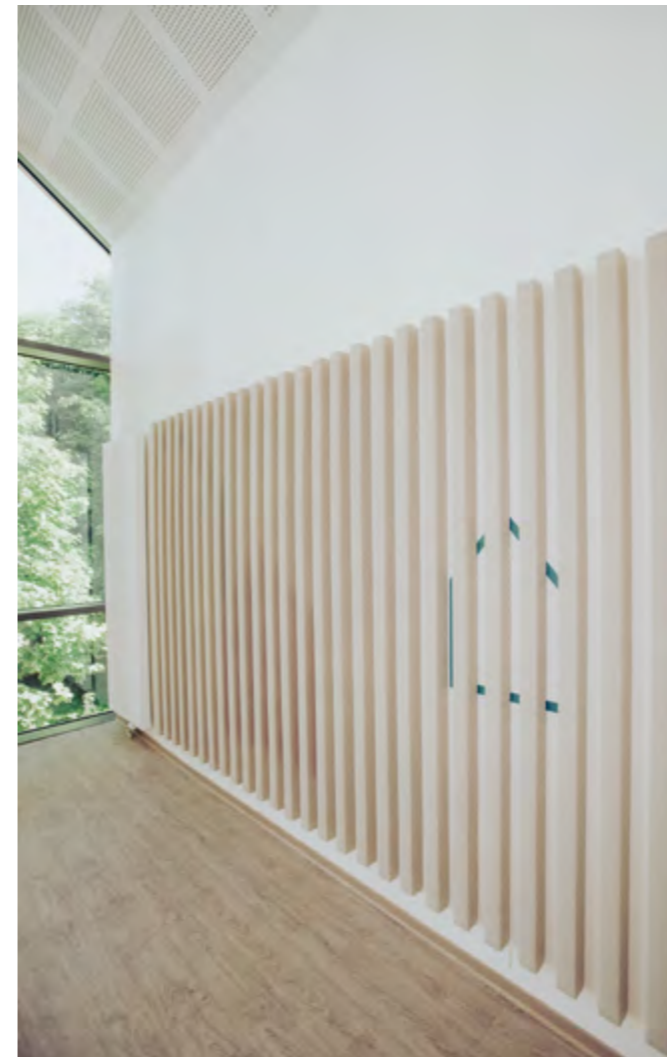




06

STANDARD **PROJECTS**









07

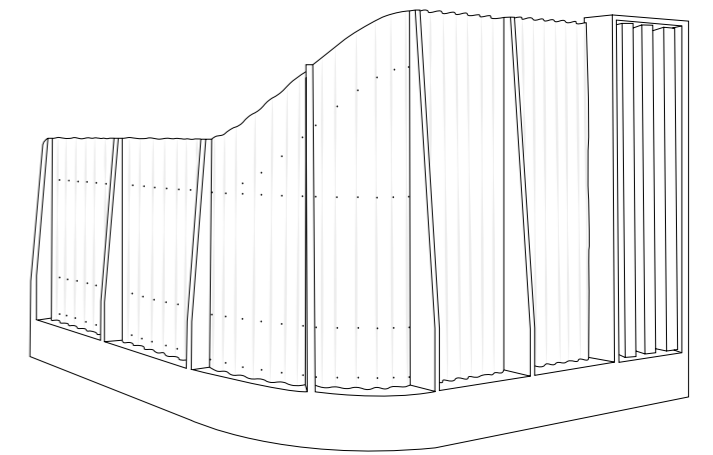
**CUSTOM PROJETS**





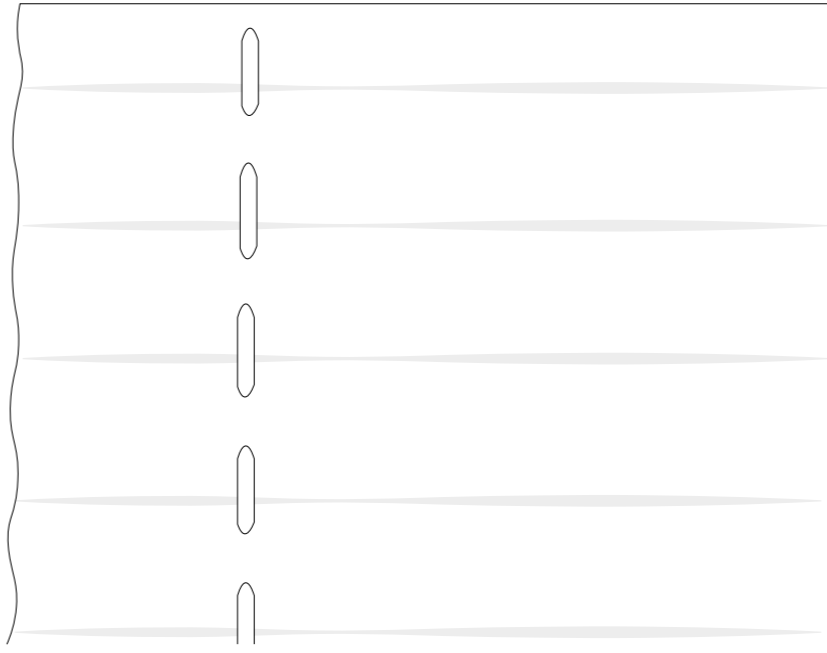
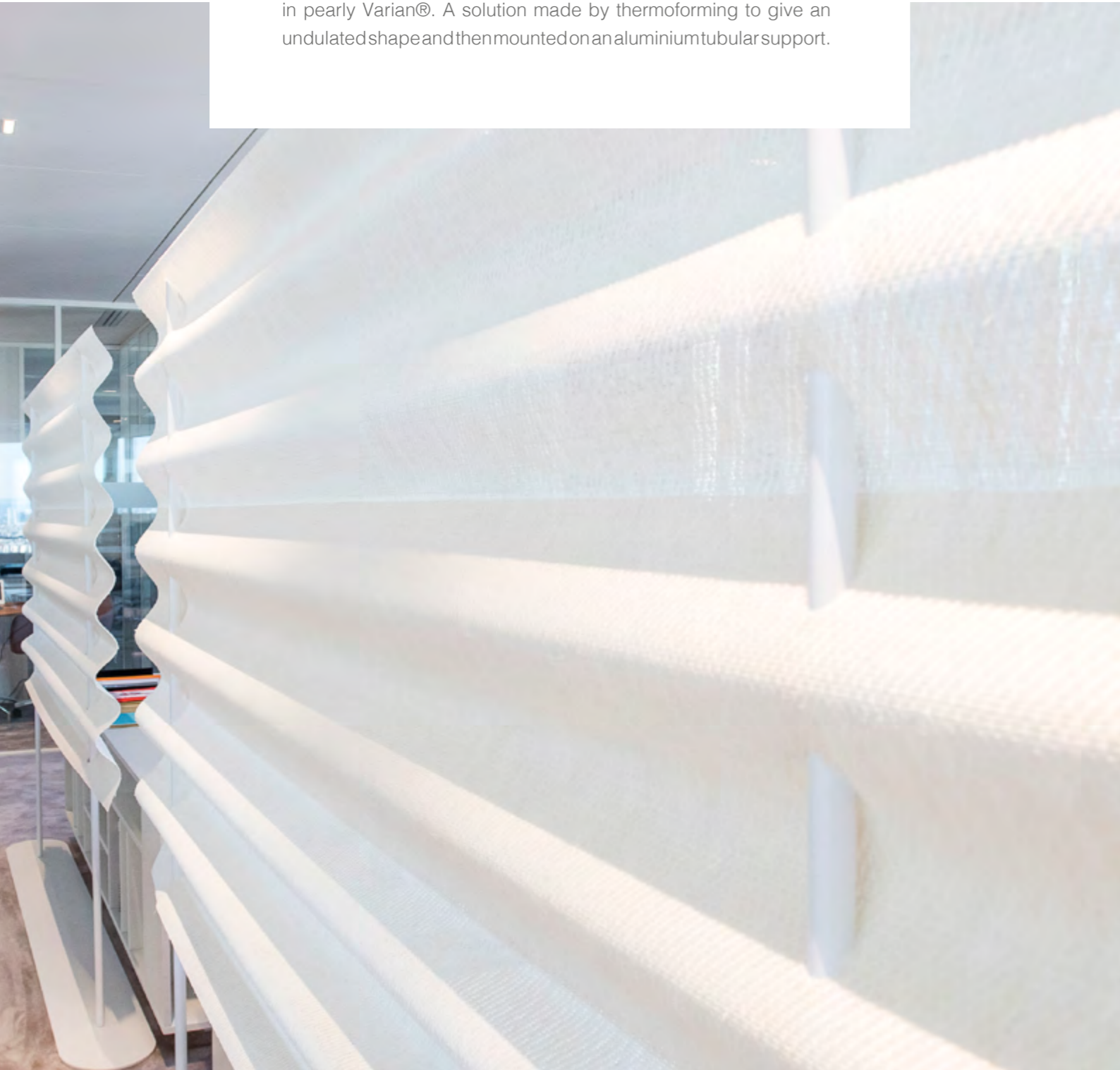
## CHAMBRE SYNDICALE DES FORCES DE VENTE

Acoustic and visual delimitation of CSN's work spaces. Natural light is preserved and a soft, elegant and warm atmosphere is created for an aesthetic, technical and eco-designed result. A realization in collaboration with Akonite Studio. Installation of space dividers following the curves of the offices and profiles with reinforced acoustic performance. A solution of folded Varian® sheets, mounted on a wooden frame and perforated sheet metal and reinforced with acoustic foam. A tailor-made, modular project in natural and red Varian®.



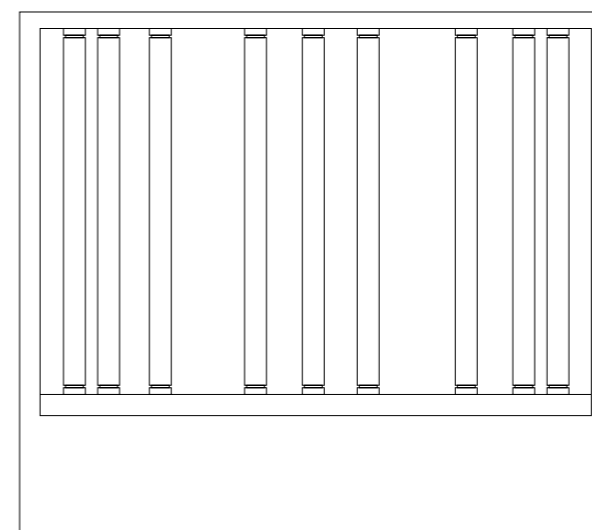
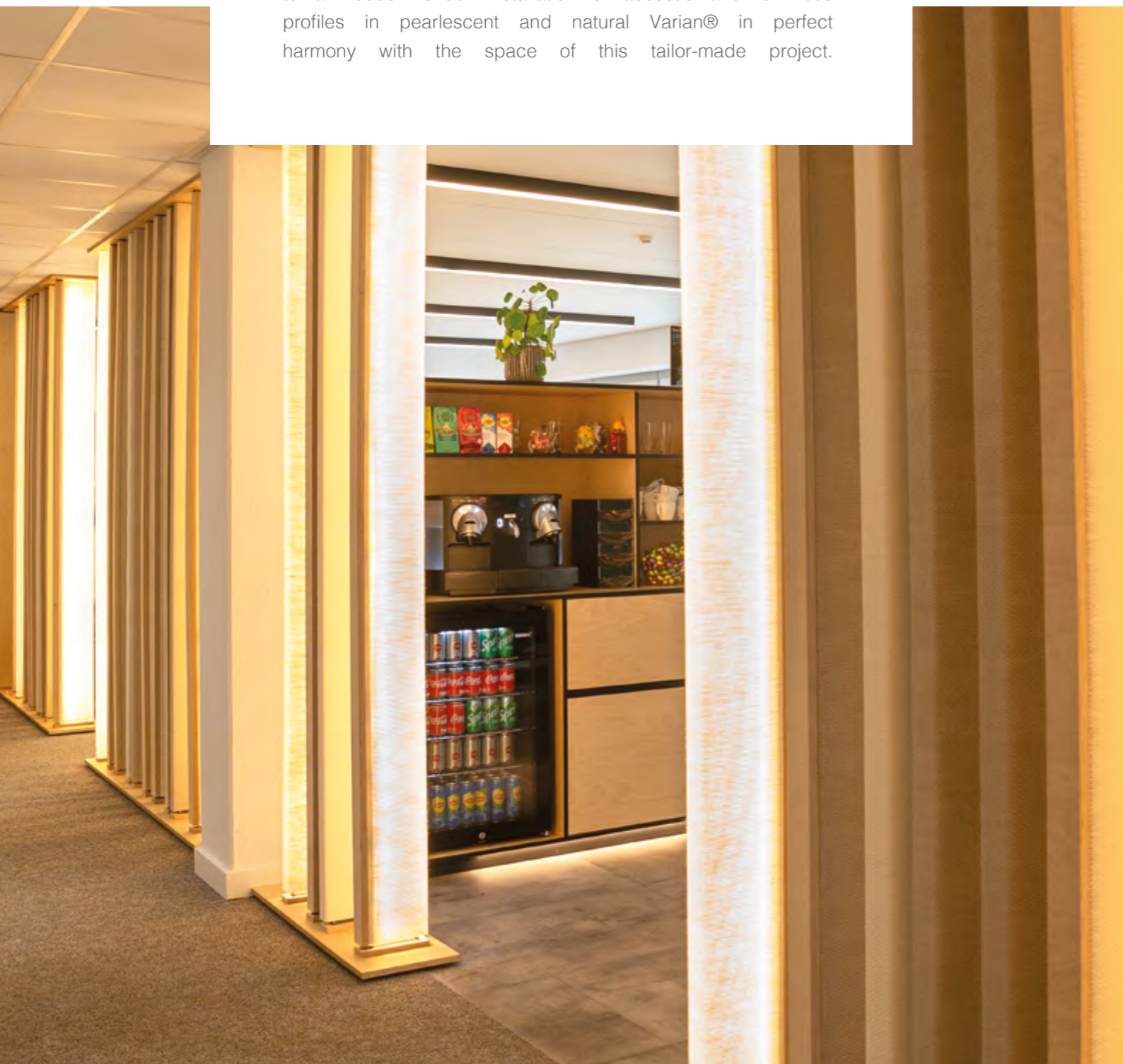
# PARIS LA DÉFENSE

Separation of a workspace for the Paris La Défense offices. A refined atmosphere intensifying the natural light in the space and encouraging concentration and well-being. Design of custom-made, corrugated, self-supporting space dividers in pearly Varian®. A solution made by thermoforming to give an undulated shape and then mounted on an aluminium tubular support.



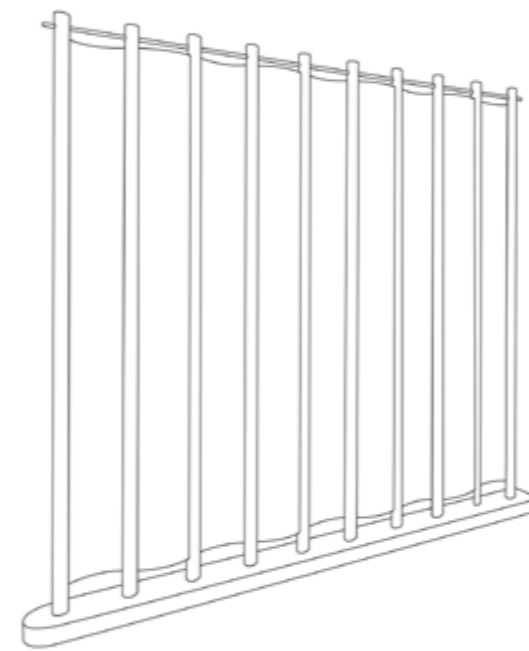
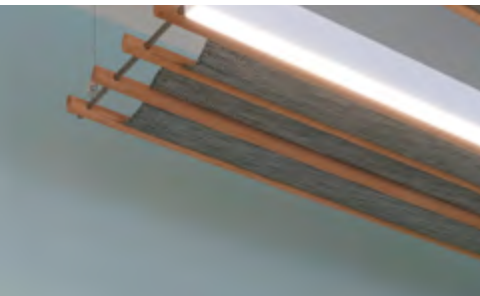
## TALENT IT

Talent IT's open-plan workspace divider. A claustra-style profile solution that allows light to pass through while providing acoustic performance. A modern, bright and responsible workspace. Forming of the profiles by hot wire bending, then assembly to a wooden endo. Installation of acoustic and luminous profiles in pearlescent and natural Varian® in perfect harmony with the space of this tailor-made project.



## CLIN D'ŒIL OPTICIENS

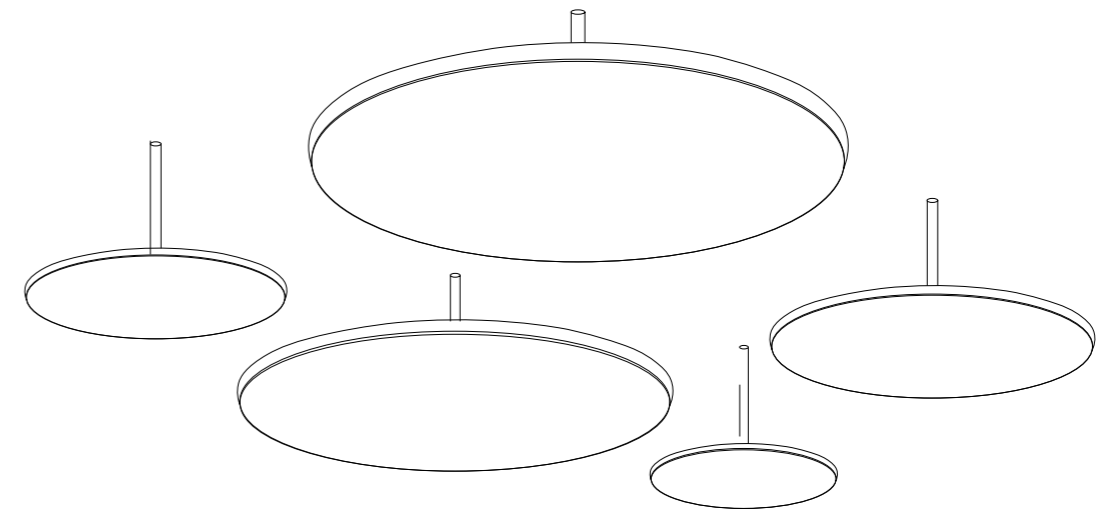
Visual delimitation of the meeting spaces of an optician's shop. A project with eco-responsible engagements, notably through the choice of materials made in France. An elegant rendering and a cosy atmosphere for this shop. Installation of privacy screens and ceiling panels designed by Sophie Fourure and produced by VF Concept. A tailor-made project, in blue-green and natural Varian® combined with wood. A solution that gives movement to Varian® for an aesthetic and eco-designed result.





## **BANQUE POPULAIRE GRAND OUEST**

Suspended acoustic cladding for the BPGO meeting room. A responsible design ceiling lining that brings acoustic comfort to this space with high ceilings. Design of round domes in natural and taupe Varian® and complexed with an acoustic reinforcement. A tailor-made solution made by thermocompression and assembled with an invisible wooden endo and a fixing rod.





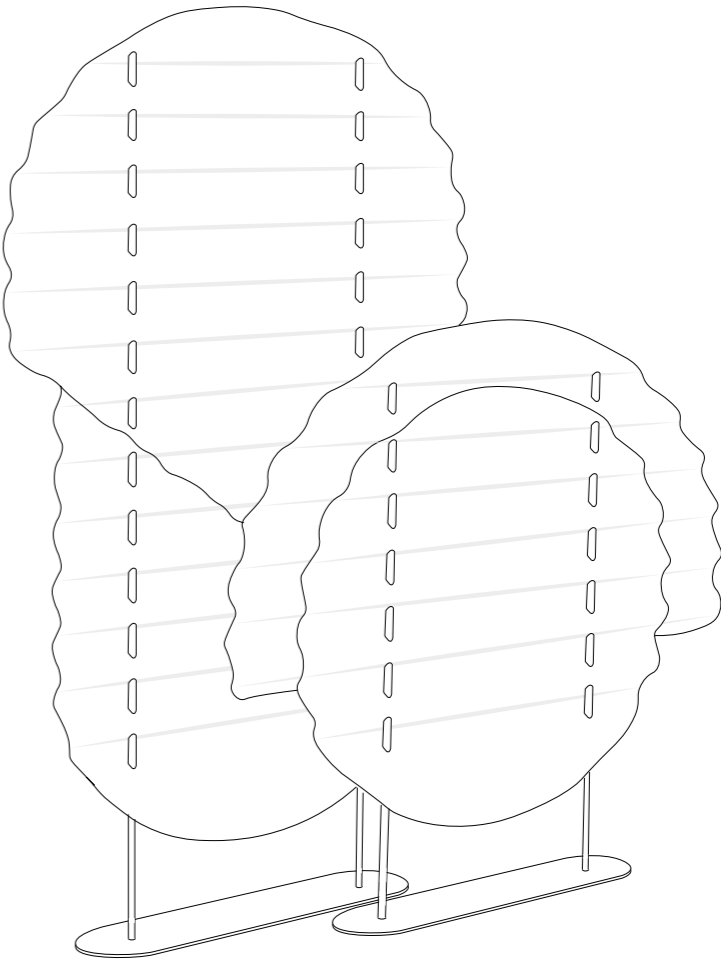
08

**COLLABORATIONS**



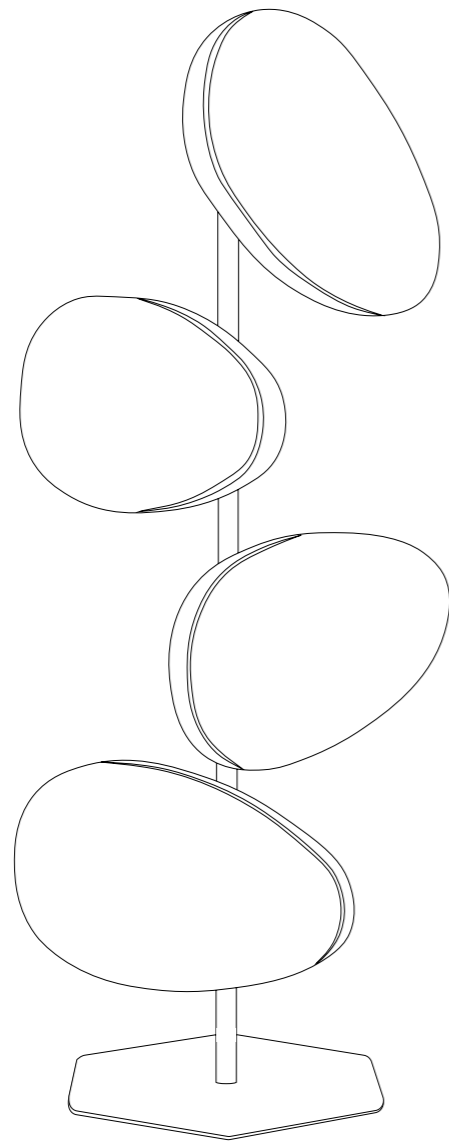
**CIDER**

In collaboration with Juam Studio, Varian® screens have been created and are published by Cider. A design object, pure and eco-responsible, which integrates softness and naturalness into the spaces. The Gommette screens play with the undulating shape, transparency and lightness of the Varian® material.

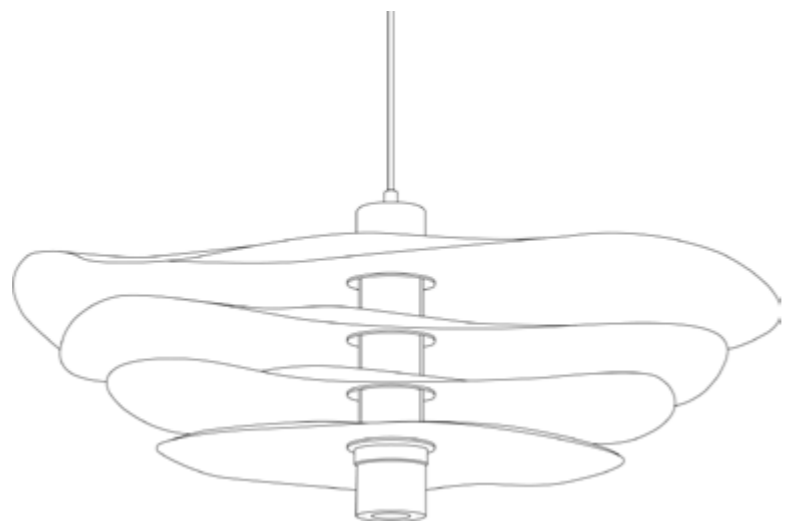


## LONAEH

In collaboration with LONAEH, an acoustic totem made of Varian® has been designed and published by HXA. A useful and eco-responsible design object promoting well-being. The totem plays with the shaping capabilities of the material and features thermoformed pebbles made of Varian®.







## MARKET SET

In collaboration, a Varian® ceiling light was designed and produced by MARKET SET. An elegant light and eco-reponsible object to decorate a room. The ceiling light is obtained by corrugating Varian®, shaped by thermoforming, and combined with solid oak and a brushed brass finish.

CultureIN

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