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CULTURE IN AND VARIAN

CHANGIND 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 (headache, respiratory problems, allergies, etc.).



80% On average of time is spent indoor



Indoor air is more polluted than outside air 10x

WASTE FROM FURNISHING COMPONENTS

1 300 000 tonnes of waste from furnishing components were generated in 2018.

FLAX, MATERIAL OF THE FUTURE



AN ECOLOGICAL MATERIAL

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



MADE IN FRANCE

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





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
President of Culture iN
Creator of Varian®

THE VARIAN® TECHNOLOGY

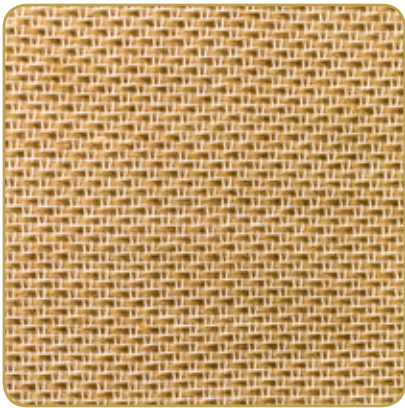
FLAX AND BIOSOURCED RESIN



NATURAL YARN



THERMOPLASTIC*
FIBERS OF FILEMENTS



VARIAN®

A 100% ECOLOGICAL MATERIAL



Plant-based
material



VOC-free

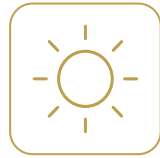


Impregnation
without water or
solvent

A TECHNICAL MATERIAL



Fire reaction
M1/M2



Resistant to
UV



Acoustic
absorption

PROPERTIES OF TEXTILE



Cutting



Finishings



Assembly

PROPERTIES OF RESIN



Hot forming



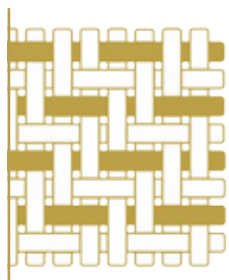
Hot bending



Wire
bending

WEAVING AND COLOURS

WEAVING



2-2 TWILL
Possibility of customised weaving, do not hesitate to contact us to assess the feasibility.

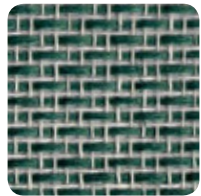
COLOURS



NATURAL
Ref : BL000



GREY
Ref : BL003



BLUE - GREEN *
Ref : BL006



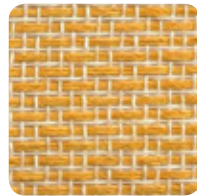
BLACK *
Ref : BL008



PEARLY
Ref : BL001



RED
Ref : BL004



YELLOW *
Ref : BL007



CUSTOMISED COLOURS
Reference





END-TO-END SUPPORT

A MULTI-DISCIPLINARY TEAM

Culture iN supports its customers' projects right from the first creation phases through to implementation. A unit dedicated to special projects, composed of a multidisciplinary team, has been set up in-house. Engineer, prototype specialist, designer, textile and composite expert work together to bring the project to a successful conclusion.



Project team



Design office



Design



R&D



Dyeing



Weaving



Cutting



Conversion



Finishings

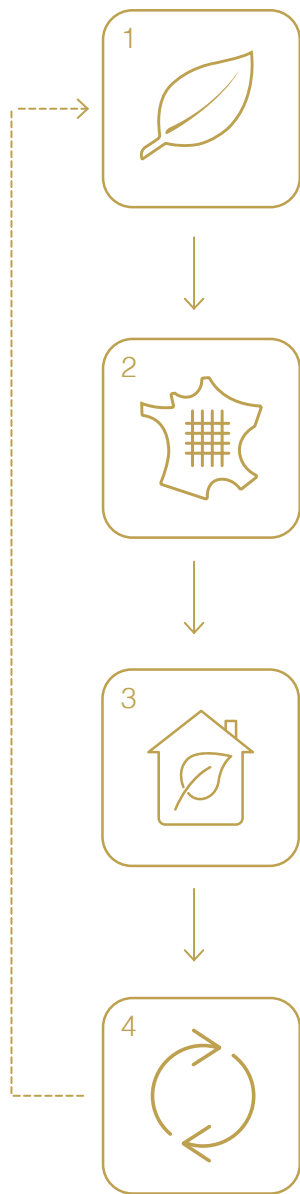


Installation

CERTIFIED PARTNERS

Culture iN is also supported by a network of experts and manufacturers to handle projects of every scale, from a unique item to mass production.

LIFE CYCLE TO SERVE THE ENVIRONMENT



BIOSOURCED RAW MATERIAL

We use French linen (Masters of Linen® label) and a petroleum-free biosourced PLA vegetable resin (Responsible Care label).

LOCAL MANUFACTURE

Raw material manufactured, dyed (GOTS label) and woven either in France or in Belgium.

USE

Our products are VOC-free, thus contributing to air quality, indoor well-being and to improved acoustic comfort.

END OF LIFE

We offer to recover, separate and manage end-of-life components (industrial composting or reuse).





OUR STANDARD REFERENCES






SLABS

SHAPES AND DIMENSIONS





S SQUARE SLAB

 W 360 - H 360 - D 45
 1006 gr
 REF: 1PADC001






M SQUARE SLAB

 W 720 - H 720 - D 60
 4080 gr
 REF: 1PADC002



L SQUARE SLAB

 W 1080 - H 1080 - D 30
 9212 gr
 REF: 1PADC003






S HEXAGONAL SLAB

 W 240 - H 265 - D 30
 383 gr
 REF: 1PADH001



M HEXAGONAL SLAB

 W 384 - H 431 - D 45
 997 gr
 REF: 1PADH002



L HEXAGONAL SLAB

 W 624 - H 708 - D 60
 2654 gr
 REF: 1PADH003






M RECTANGULAR SLAB

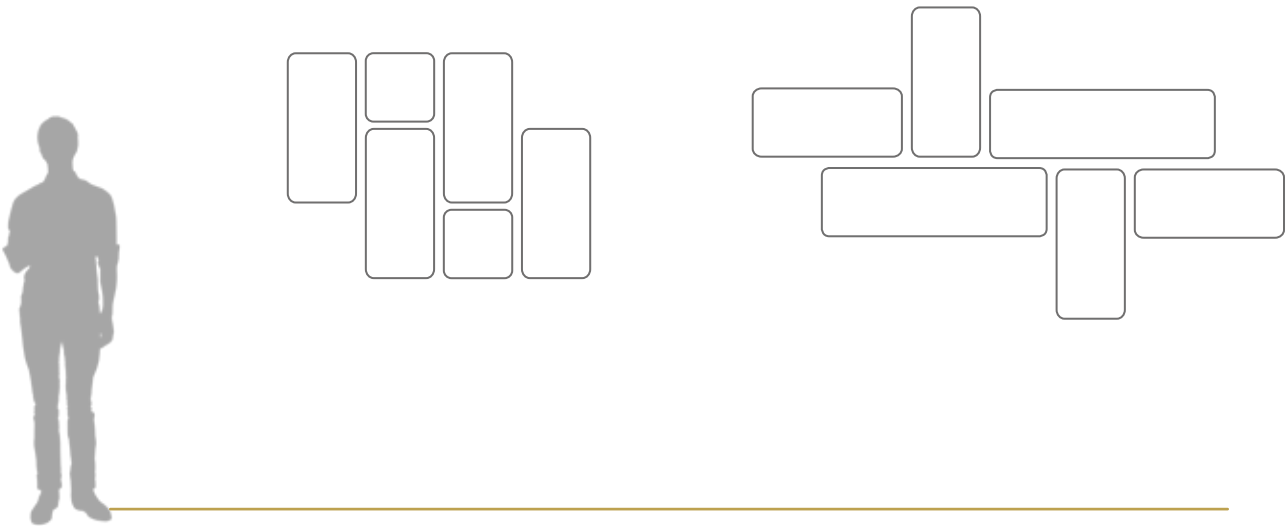
 W 360 - H 720 - D 45
 2042 gr
 REF: 1PADR001



L RECTANGULAR SLAB

 W 360 - H 1080 - D 30
 3063 gr
 REF: 1PADR002

SLABS
COMPOSITION IDEAS

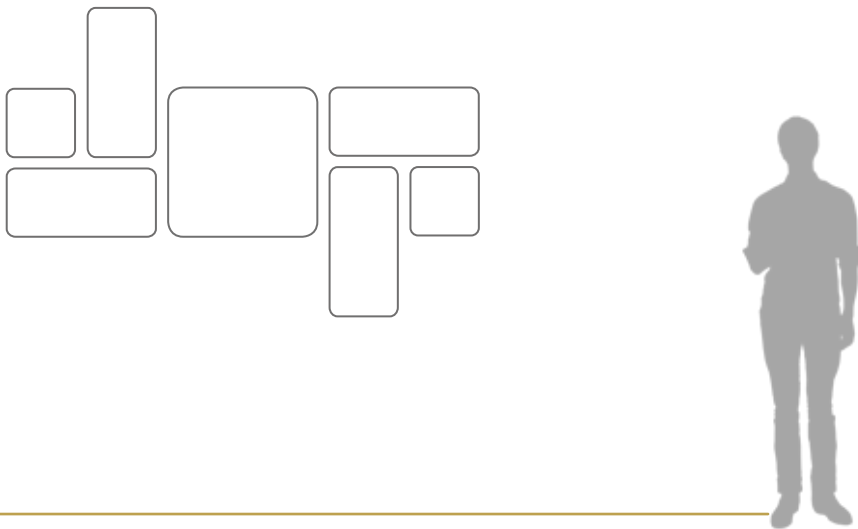


W 1600 - H 1130 - D 45

x 4 M x 2 S

W 2600 - H 750 - D 45

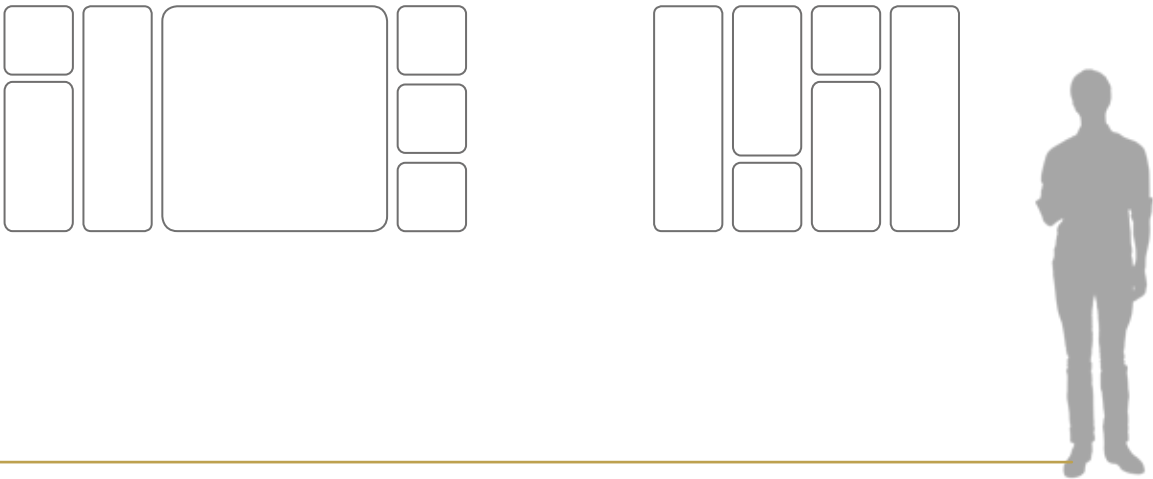
x 3 M x 2 L



W 2200 - H 1500 - D 45

x 4 M x 2 S x 1 M

SLABS
COMPOSITION IDEAS

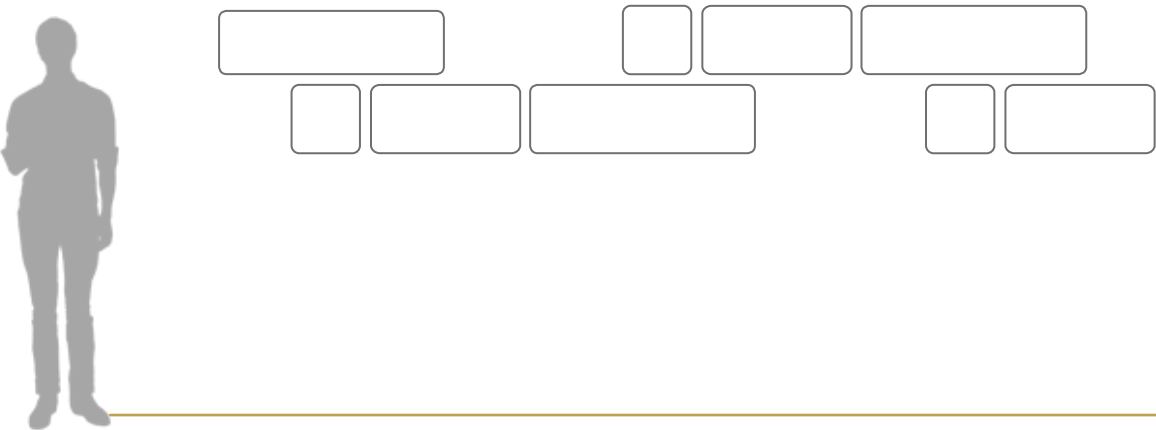


W 2235 - H 1130 - D 45

x 1 M x 1 L x 4 S x 1 L

W 1550 - H 1105 - D 465

x 2 M x 2 L x 2 S



W 4500 - H 745 - D 45

x 3 M x 3 L x 3 S

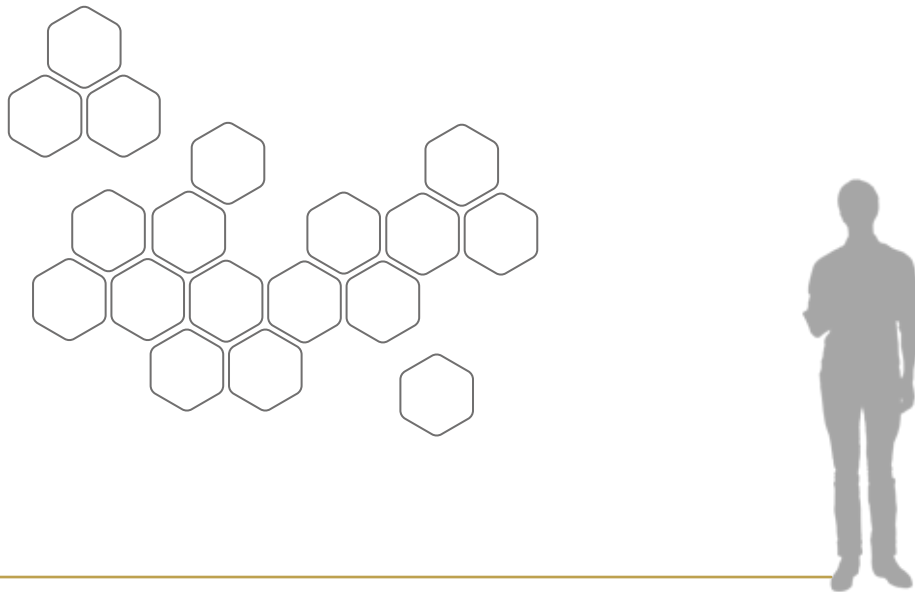
SLABS

COMPOSITION IDEAS



W 2400 - H 1200 - D 45
x 11 M

W 800 - H 800 - D 45
x 3 M



W 2800 - H 1800 - D 45
x 18 M

SLABS

FINISHINGS AND TECHNICAL SPECIFICATIONS

FINISHINGS



Acoustics



Bright

ACOUSTIC PERFORMANCE

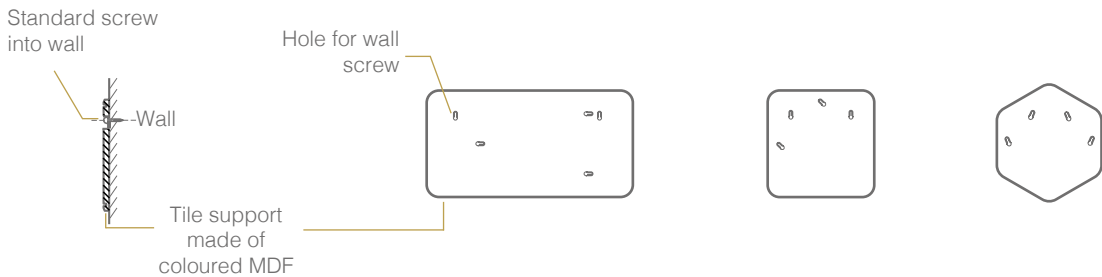


Absorption



Low Frequency

MOUNTING SYSTEM



Hooking cross-section	Number of holes	2 ou 3	2	2
	Diameter (mm)	6	6	6
Support	Thickness (mm)	8	8	8
	Weight (g)	1500	760	750

Mounting options: magnet, velcro

HOW TO ORDER ?

Make your choices step-by-step and contact us :

- 1 Shape / composition
- 2 Size
- 3 Varian colour(s)
- 4 Finishings
- 5 Mounting system



SPACE DIVIDERS SHAPES AND DIMENSIONS



S ROOM DIVIDER

W 800 - H 400 - D 30
4260 gr
REF: 1CLOB001



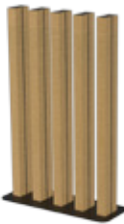
M ROOM DIVIDER

W 1200 - H 400 - D 30
6390 gr
REF: 1CLOB003



L ROOM DIVIDER

W 1600 - H 400 - D 30
8520 gr
REF: 1CLOB002



S LATH

W 800 - H 1200 - D 300
3885 gr
REF: 1LATC001



M LATH

W 800 - H 1800 - D 300
8082 gr
REF: 1LATC002



S SCREEN

W 800 - H 1200 - D 300
2042 gr
1PARA002

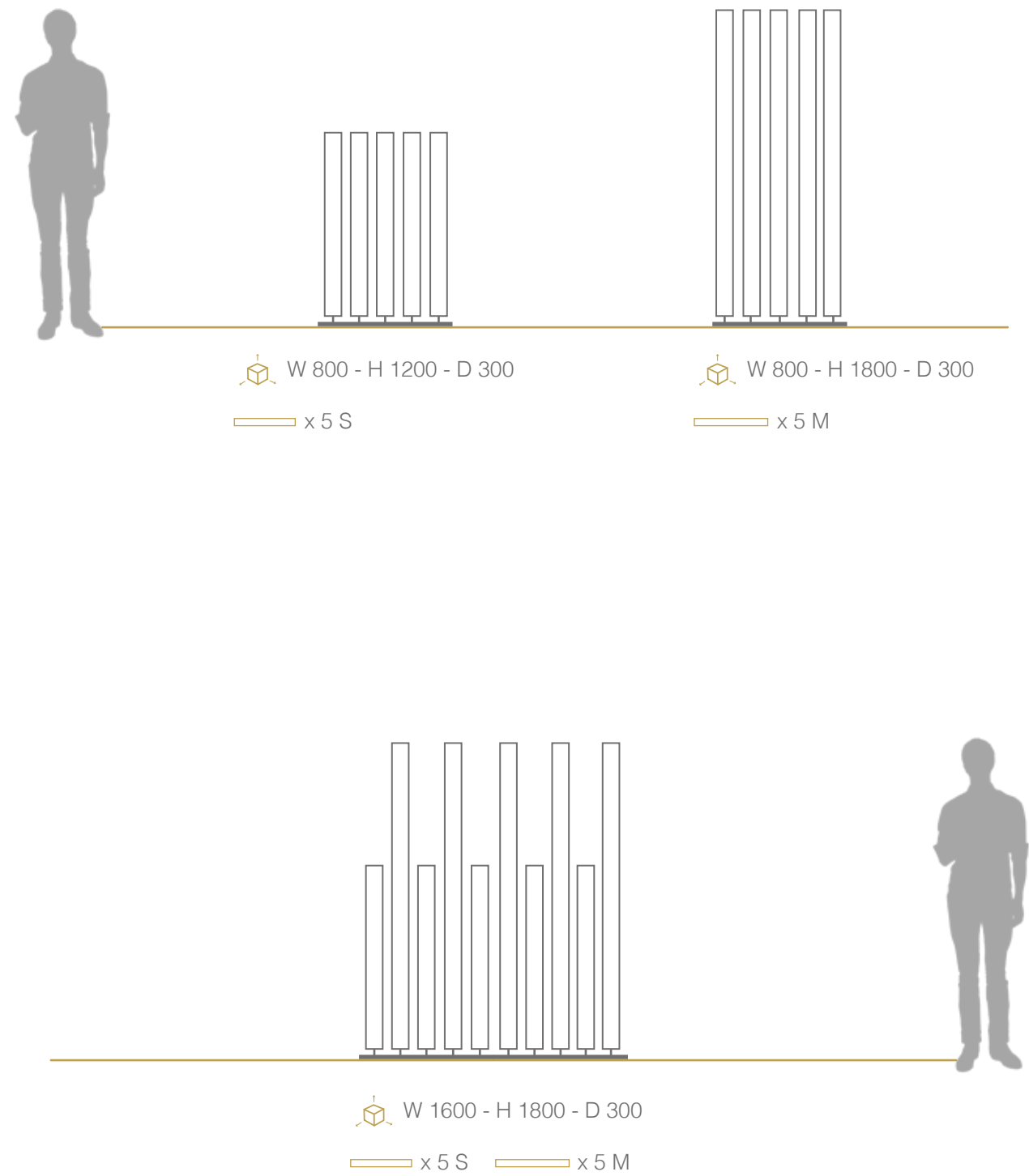


M SCREEN

W 800 - H 1800 - D 300
8520 gr
REF: 1PARA001

For all other specific dimensions, shapes, contact our design office.

SPACE DIVIDERS
COMPOSITION IDEAS





SPACE DIVIDERS

FINISHINGS AND TECHNICAL SPECIFICATIONS

FINISHINGS



Acoustics

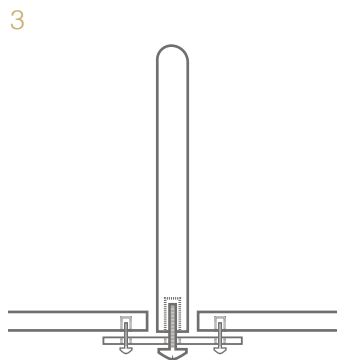
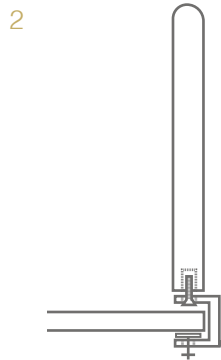
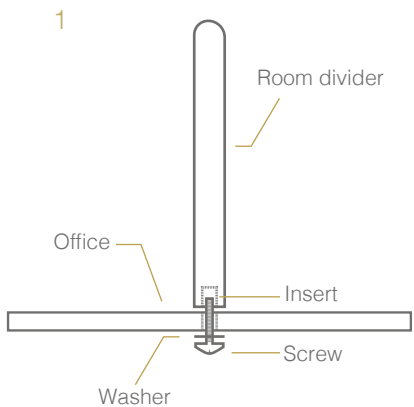


Absorption



Low Frequency

DIVIDER MOUNTING SYSTEM



Type of hook

Through the office

Around the office*

Between two offices*

*Attachment systems can be supplied

HOW TO ORDER ?

Make your choices step-by-step and contact us :

- 1 Shape / composition
- 2 Size
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- 4 Finishings
- 5 Mounting system



CEILING LIGHTS SHAPES AND DIMENSIONS



S SUSPENDED SCREEN

W 800 - H 400 - D 30
3885 gr
REF: 1BAFS001



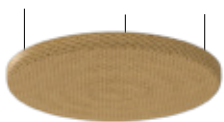
M SUSPENDED SCREEN

W 1600 - H 400 - D 30
8082 gr
REF: 1BAFS002



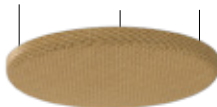
L SUSPENDED SCREEN

W 2400 - H 600 - D 30
14539 gr
REF: 1BAFS003



S CORRUGATED DOME

ø 520
383 gr
REF: 1COUS001



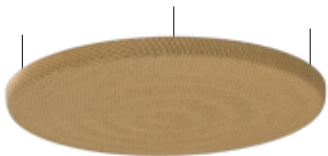
S FLAT DOME

ø 520
3885 gr
REF: 1COUS003



M SQUARE SLAB

W 720 - H 720 - D 60
4080 gr
REF: 1PADC002



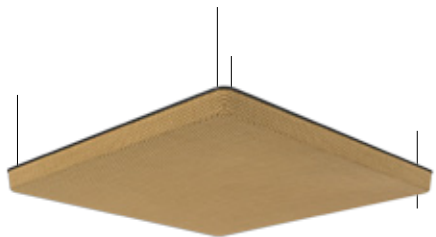
M CORRUGATED DOME

ø 850 - D 65
8520 gr
REF: 1COUS002



M FLAT DOME

ø 850 - D 47
8082 gr
REF: 1COUS004



L SQUARE SLAB

W 1080 - H 1080 - D 30
9212 gr
REF: 1PADC003



CEILING LIGHTS

FINISHINGS AND TECHNICAL SPECIFICATIONS

FINISHINGS



Acoustics



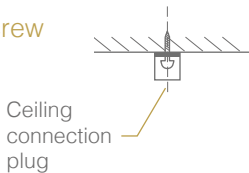
Absorption



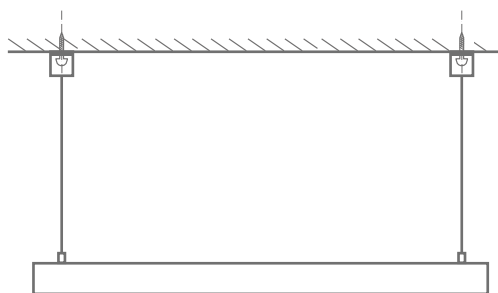
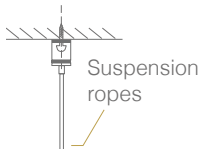
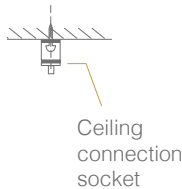
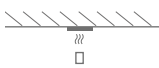
Low Frequency

MOUNTING SYSTEM

1- screw



2- magnet



Steps

1

2

3

4

Type
d'accroche

Screw

Magnet

HOW TO ORDER ?

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- 2 Size
- 3 Varian colour(s)
- 4 Finishings
- 5 Mounting system



OUR CUSTOMISED PROJECTS



OFFICE DESIGN

OFFICE SPACE LAYOUT



Acoustic and visual demarcation of working spaces at CSN (Chambre Syndicale des Forces de Vente)



Installation of space dividers following the contours of office areas and of high performance acoustics profiles. A customised, adjustable project in natural and red Varian® combined with wood and metal.



A solution using hot folding, bending and embossing for a visually appealing, technical and eco-designed result.



Natural lighting is retained and the atmosphere is soft, elegant and warm. Project carried out in collaboration with Akonite Studio

METHODS

Folded Varian® sheets mounted on wooden frames and perforated metal sheets then reinforced with recycled PET acoustic foam.

ADVANTAGES

- Acoustic and visual partitioning of spaces without blocking the light.
- Airy and warm rendering.
- Lighting effects and acoustic performance.
- Modularity, layout and change.
- Mechanical assembly allowing optimum recycling at end of life.





OFFICE DESIGN

OFFICE SPACE LAYOUT



A working space and a bright atmosphere for offices at Paris la Défense.



Design of corrugated space dividers in pearly Varian® to demarcate working spaces and bring in a maximum of natural light.



A thermoformed, self-supporting and customised solution combining visual appeal, technicality and naturalness.



This streamlined atmosphere adds to visual comfort and boosts concentration and well-being.

METHODS

Corrugated Varian® sheets mounted on aluminium tubular support.

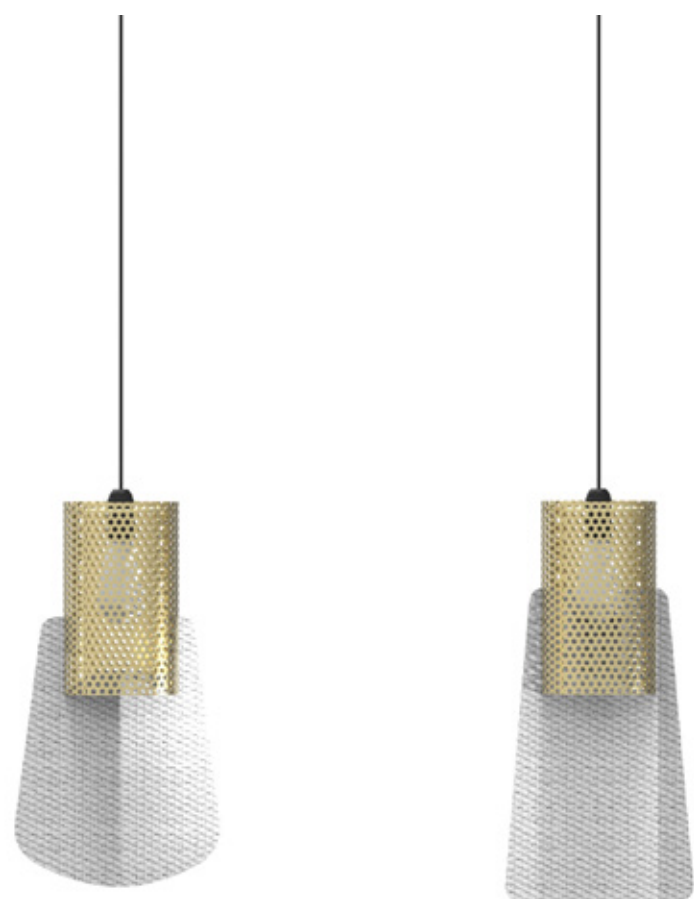
ADVANTAGES

Self-supporting material, only 2 materials used
Airy and warm rendering.
Lightweight and easy to move.
Mechanical assembly allowing optimum recycling at end of life.





MUTILPLE OTHER POSSIBILITIES



With its Varian Lab network, Culture iN invites a selection of creators and workshops to give free rein to their imagination. Working in collaboration and in sync with designers and architects, we develop and produce objects that highlight the technical and aesthetic properties of Varian®.



TRANSPORTATION INDUSTRY

Our composite thread technology consisting of plant-based fibres and thermoplastic resin is at the core of Varian®. For home and working spaces, we have chosen to combine flax fibre and vegetable resin (PLA) to make a 100% biosourced material suitable for these sectors.

More complex specifications such as the outfitting of transportation means (motor vehicles, ships, airplanes, trains) require the technical adaptation of our material.

Le Varian® adapts itself easily to these constraints through our collaborative work whereby we can together define the nature of the components, their characteristics, and the type of weaving.

In constant search for innovation and optimisation, Culture iN's R&D team will guide and advise you in your development projects.





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