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DECO ACOUSTIC

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THU/ **Deco Acoustic**

DOCUMENT INFORMATION

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LATEST VERSION

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Kingspan | THU ceiling solutions

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THU is a company with over 35 years' experience in the domestic market. With this catalogue, we are launching our new product line of acoustic ceilings made from non-woven recycled PET fibre panels. This document showcases our latest ceiling models and designs, with which we are aiming to provide the market with decorative solutions that allow users to create unique spaces and settings made from distinctive and innovative materials.

Quality and service have always been our biggest strengths when it comes to satisfying our customers. We want these very same values to drive this new chapter, which we are embarking on as an international project to promote creativity and help professionals in the space design sector to take on new challenges.

The growing awareness amongst all of us – both professionals and consumers – is driving us towards making better use of the resources and materials at our disposal, seeking to improve day by day with the aim of shifting towards a closed-loop consumption cycle that leaves the smallest possible footprint on the environment and the planet.



PLANET PASSIONATE_06
LET'S TALK ABOUT THE MATERIALS_09
CUSTOMISATION_10
DECO ACOUSTIC FAMILY_12-14
LINEAR_16-29
GRID_30-39
ISLAND_40-51
PANEL_52-66

**Ceiling: 120x120 quad island and 120 x 240 quad island, Beige BE1*



PLANET PASSIONATE

At THU, we believe that sustainability should not be a passing trend, but an ongoing commitment to the future of the planet. Planet Passionate is our global initiative to reduce the environmental impact of the construction industry, focusing on circularity, energy efficiency and the development of innovative materials with a lower carbon footprint. It is not just about manufacturing more sustainable products, but about embedding this approach into every stage of the process, from design through to production and end use.

The Deco Acoustic collection is the physical embodiment of this commitment. Our acoustic panels, made from recycled materials such as PET plastic bottles, not only offer outstanding acoustic performance but also actively help to reduce waste and ensure the efficient use of resources. This combination of innovation and environmental responsibility allows us to create solutions that not only enhance spaces but also protect the planet's natural balance.

refocusing by following a different path



**Photograph by Briece Cooper*

We view sustainability as a holistic concept, in which design, well-being and protecting the environment should go hand in hand. That is why Deco Acoustic systems are designed to provide acoustic comfort without sacrificing aesthetic appeal or functionality, allowing us to create healthier, more efficient and more harmonious environments.

Every solution in the Deco Acoustic range represents a step forward in our mission to transform the industry, demonstrating that it is possible to combine design, technology and sustainability in solutions that have a real and positive impact on architecture and people's lives.

Acoustics

Aesthetics

Adjustability

Durability

Easy to assemble

Lightweight

Thermal insula-
tion



THU

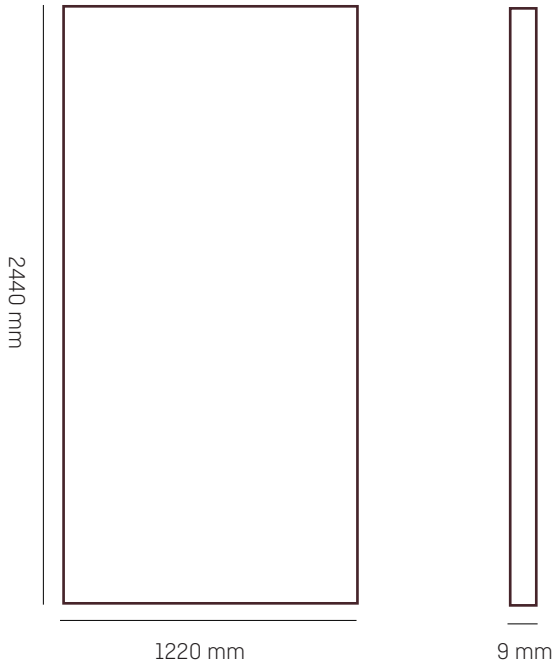
Deco Acoustic

LET'S TALK ABOUT THE MATERIALS

Characteristics of the raw materials

THU Deco Acoustic suspended ceiling and surface cladding, manufactured using PET (polyethylene terephthalate) panels formed from a non-woven felt made of recycled fibres (high percentage). Using a THU metal profile structure, the entire acoustic technical ceiling system is suspended from a load-bearing element according to the needs and requirements of the project.

One of the system's standout features is its easy access, which allows you to quickly reach building services (lighting, electrics, air conditioning, etc.), facilitating any work in the ceiling cavity, from the simplest repairs and maintenance tasks to the complete replacement of systems.





*Specifications**

WEIGHT	1650 g/m2
DENSITY	183 kg/m3
COMPOSITION	100% PET min. 60% recycled
ENVIRONMENT	Recyclable** Low VOC content, REACH
SOUND ABSORP-TION	UNE-EN ISO 354:2004 aw up to 0.90 (-) EN ISO 11654: Class A
FIRE RESISTANCE	EN 13501-1: 2018 B-s2, d0 Class A***

*Raw material panel specifications
**Each panel contains 104 recycled PET bottles
***B-s1,d0 on request (check availability)

CUSTOMISATION*

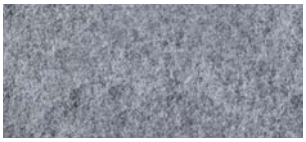
The collection offers a wide variety of colours and finishes to suit any style and requirement. From neutral, timeless shades to more vibrant, sophisticated options, each choice allows you to create spaces with character.

The substructures also offer a range of options for seamless integration, allowing each combination to create spaces with their own distinct character.

Standard colours

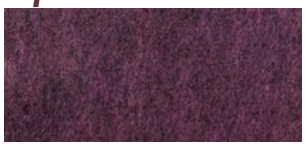

Black NE1


Charcoal AN1


Sky Grey GR2


Beige BE1

Special colours


Dark Purple MR1


Strong Pink RS1


Fast Red RJ1


Golden Yellow AM1


Sea Blue AZ1


Jeans Blue AZ2


Salvia Green VE1


Matcha Green VE2


Deep Green VE6


Ocean Green VE5


Pine Green VE4


Jade Green VE3

White BL1

Cream White BL2


Raw Beige BE4


Reef Pink RS2


Grey Ash GR3


Grey GR1


Coffee Brown MA1


Clay Brown MA2

T15-T24 colours


Black RAL 9005

Silver RAL 9006

White RAL 9010


Sand

Batten


Black RAL 9005

**We cannot guarantee colour uniformity across different orders or for orders exceeding 500 ml.*
***Please enquire regarding other colours, digital printing, patterns, special designs and embossing.*

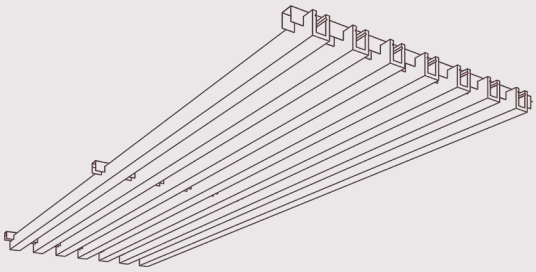
HARMONIOUS SILENCE, LASTING WELL-BEING



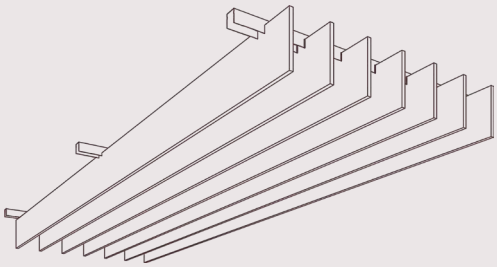
DECO ACOUSTIC FAMILY

Solutions for ceilings

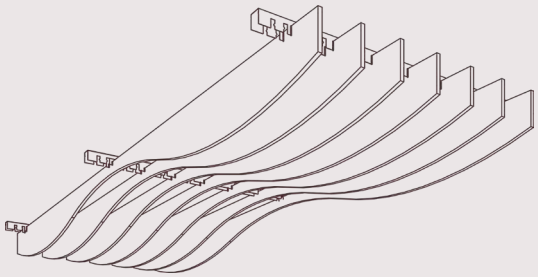
Linear Installed with a primary profile



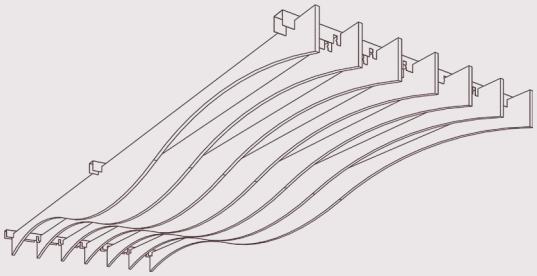
Linear, 2400x55x40



Linear flat, 2400x110x9

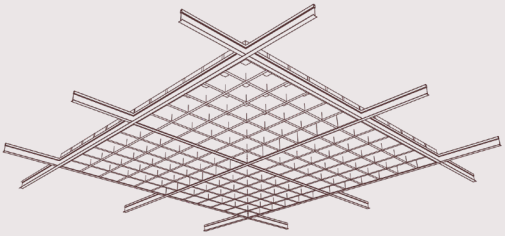


Linear flat S, 2400x160x9

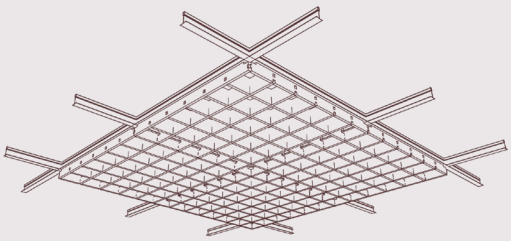


Linear flat S2, 2400x160x9

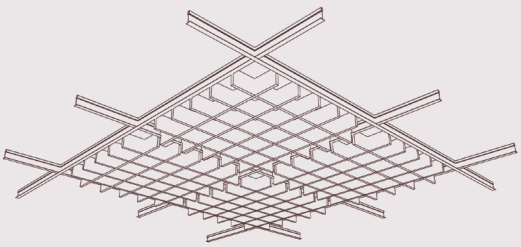
Grid Installed with T15 and T24



Open cell, 595x595x59

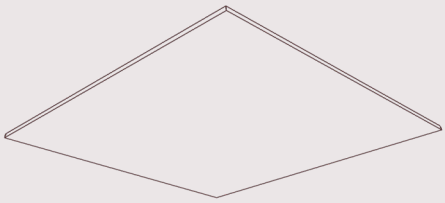


Hidden, 600x600x59



Exposed, 595x595x59

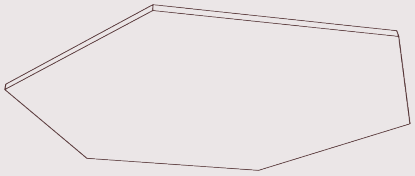
Island Floating installation



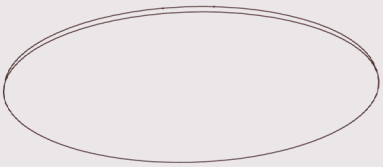
Flat Quad 1190x1190



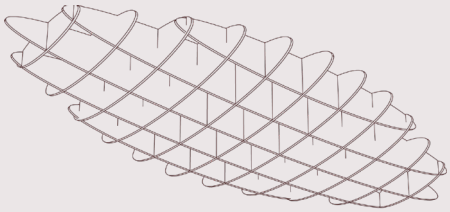
Flat Oval 1190x2390



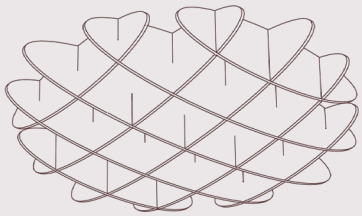
Flat Hex 1030x1190



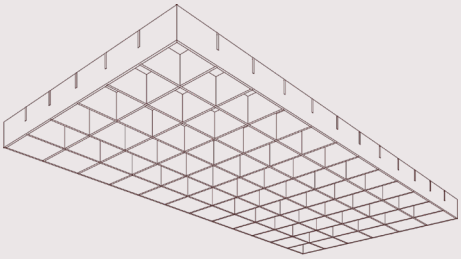
Flat Circle 1190



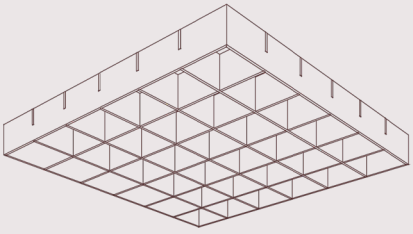
Oval 1200x2400



Oval 1200x1200



Quad 1200x2400

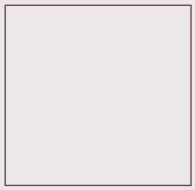


Quad 1200x1200

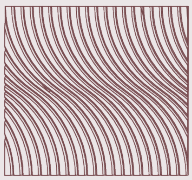
Base Panel

Installed with T15 and T24

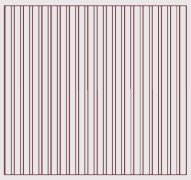
Dimensions: 595x595, 595x1195



Blank



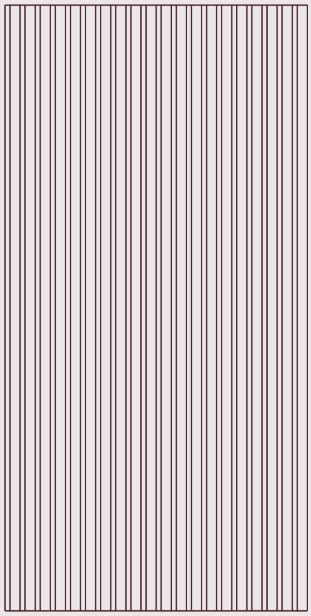
V waves



V line

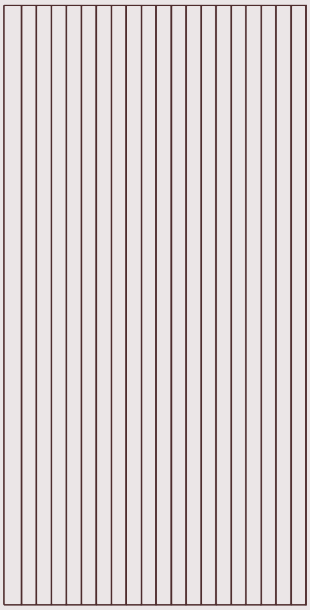
Vertical and decorative solutions

Wall Panel



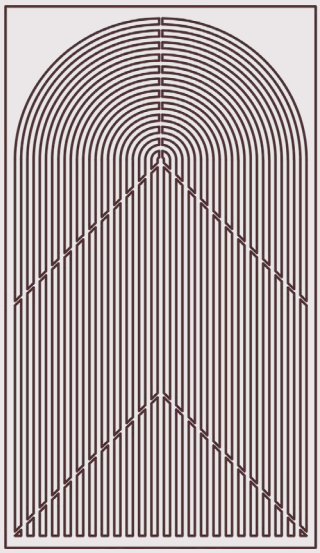
Up to 1200x2400

Quanti Panel

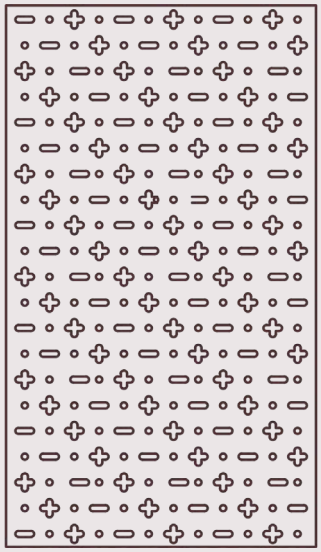


520x2440

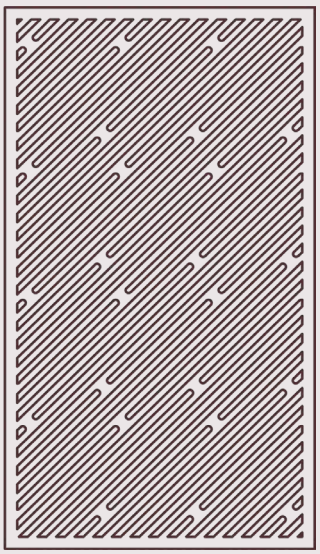
Screen Panel Surface cladding, room divider



Arcs Screen
Up to 1200x2400



Minus plus dot Screen
Up to 1200x2400



Diagonal Screen
Up to 1200x2400

LINEAR

THU's Deco Acoustic Linear system is an open, high-performance acoustic removable technical ceiling composed of PET felt linear elements with metal primary profiles.
Through different linear element (slat) size configurations, centre-to-centre distances, finish colours and edging options, you can create a wide range of creative combinations to decorate spaces with high technical requirements.

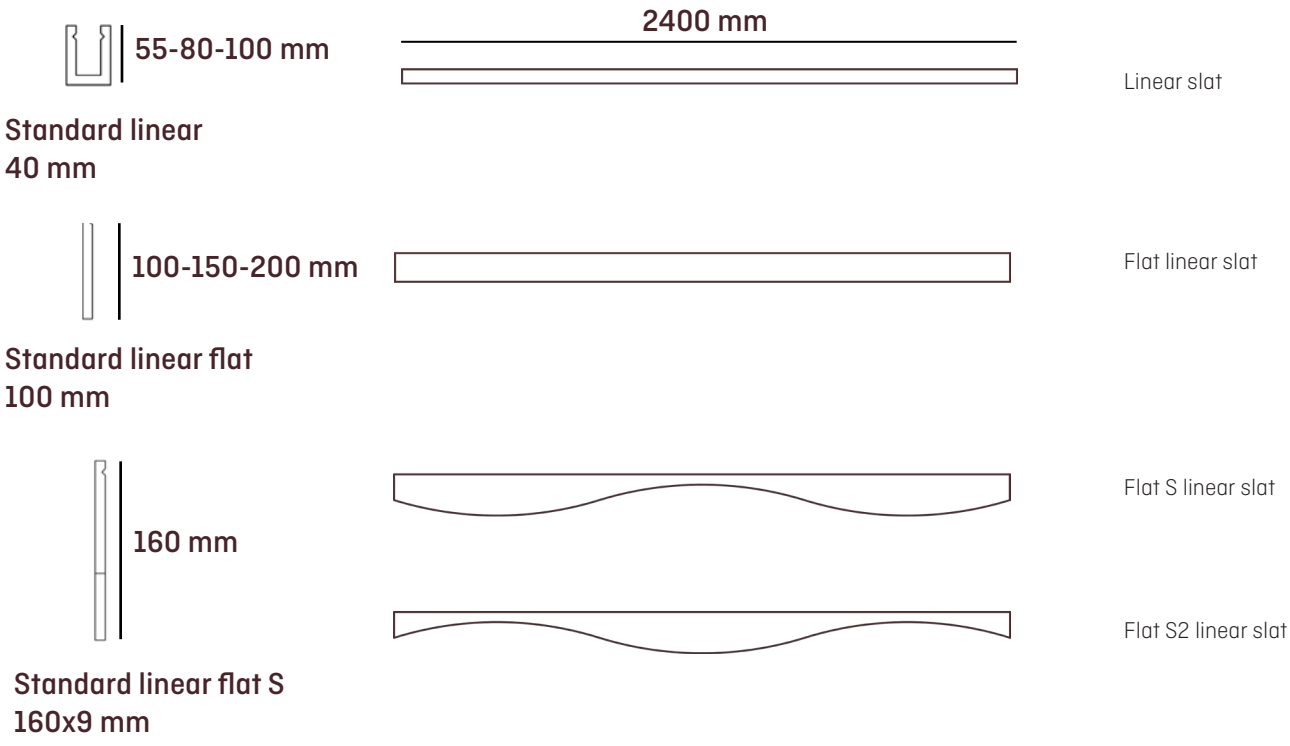
The linear elements are manufactured using PET (polyethylene terephthalate) boards, which are formed from a mixture of recycled fibres and the primary profiles are made of pre-lacquered galvanised steel. Both components combine to form a high-quality, durable system that is easy to clean.

The main characteristics of the recycled PET felt panels are high acoustic performance, a textile-like appearance and low specific weight; these, combined with the stability and strength of the pre-lacquered steel primary profiles, result in a system that is stable, functional, decorative and high-performing.

Item	*Material*	*Thickness*	*Size (mm)*
Substructure	Steel	0.6 mm	3000x34x36
Linear slat	PET felt	9 mm	2400x55-80-100x40
Flat linear slat	PET felt	9 mm	2400x100-150-200x9
Flat S linear slat	PET felt	9 mm	2400x160x9

Regulations VOC emissions (EN 16516), reaction to fire (EN 13501-1), acoustic absorption (ISO 354), susp. ceilings EN 13964

Acoustics aw = 0.55 (40x55 linear slat with 60 mm spacing)





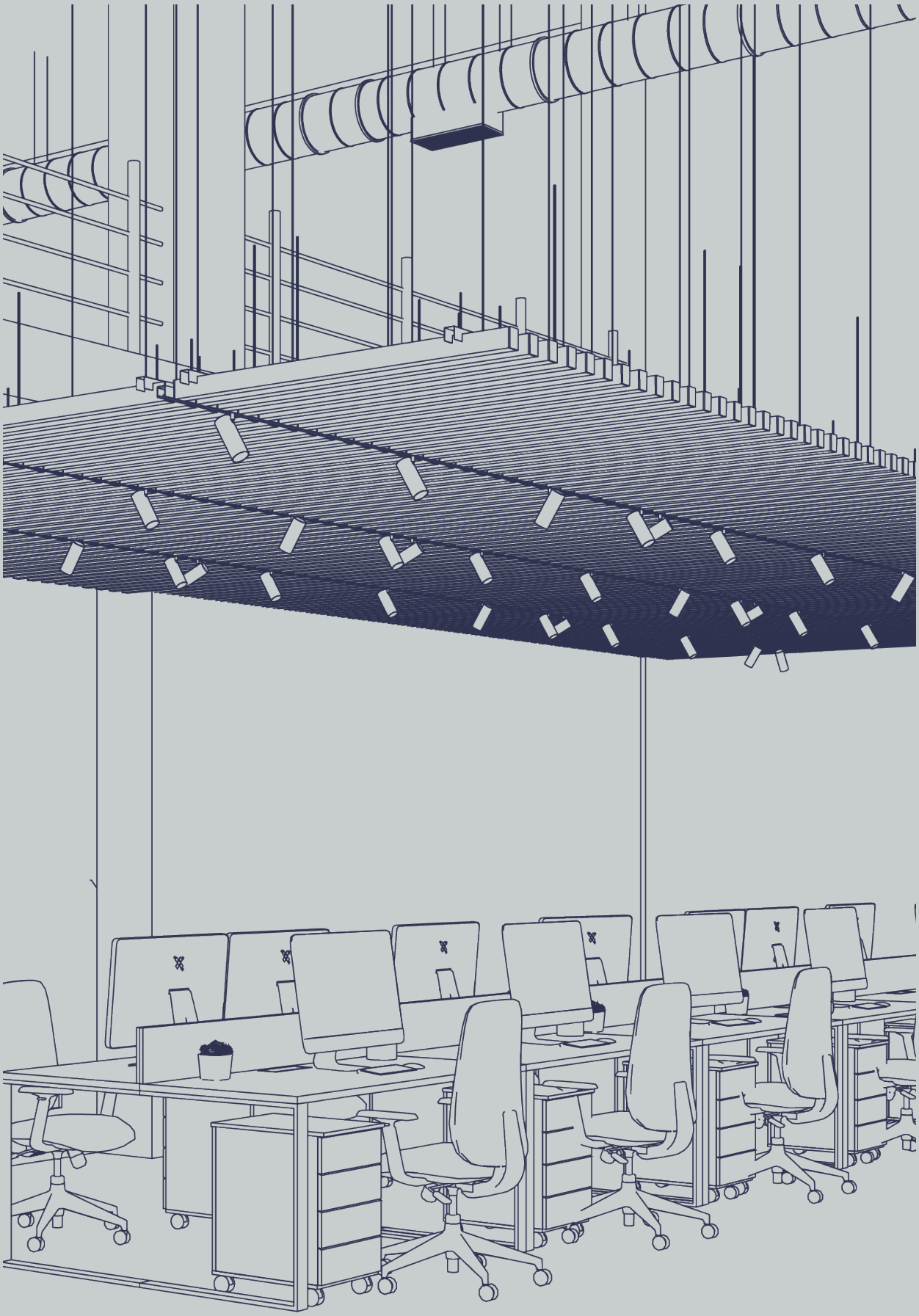
**Ceiling: 2400x40x55 linear slat, Beige BE1*











**Ceiling: 2400x40x55 linear, Jeans Blue AZ2*





**Ceiling: 2400x160x9 Linear Flat S and S2 slat, Salvia Green VE1*



**Ceiling: 2400x160x9 Linear Flat S and S2 slat, Salvia Green VE1*





**Ceiling: 2400x200x9 Linear Flat slat, Salvia Green VE1*
**Wall: U Line wall panel up to 1200x2400, Matcha Green VE2*



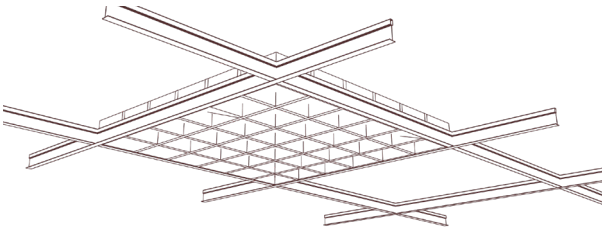


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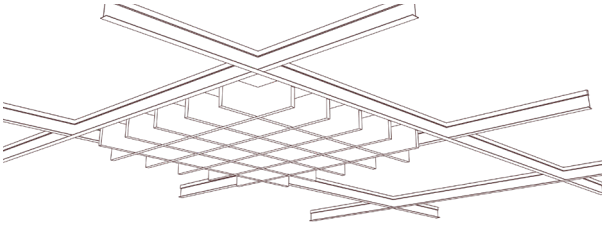
GRID

THU's Deco Acoustic Grid system is a high-performance acoustic removable technical ceiling composed of modular PET felt elements mounted on T15 and T24 metal profiles for removable ceilings. Through different opening (module) size configurations for the grid – featuring standard centre-to-centre distances, materials and metal profiles with various finish colours – you can create a wide range of creative combinations to decorate spaces with high technical requirements.

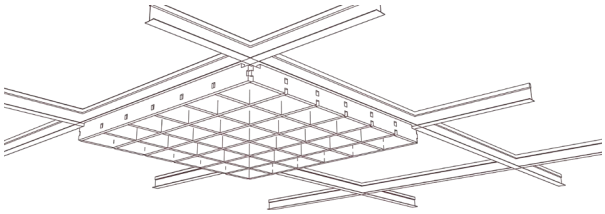
The grids are manufactured using PET boards and the primary profiles are made of pre-lacquered galvanised steel. Both components combine to form a high-quality, durable system that is easy to clean. The main characteristics of the recycled PET felt panels are high acoustic performance, a textile-like appearance and low specific weight; these, combined with the stability and strength of the pre-lacquered steel primary profiles, result in a system that is stable, functional, decorative and high-performing.



Open cell



Exposed



Hidden

Item	*Material*	*Width - Height - Thickness*	*Size (mm)*
T15-38 substructure (exposed)	Steel	15 mm/38 mm	3700-1200-600x38x15
T24-38 substructure (hidden)	Steel	24 mm/38 mm	3700-1200-600x38x24
T24-33 substructure (hidden)	Steel	24 mm/33 mm	3700-1200-600x33x24
Exposed grid	PET felt	9 mm	595x595x59
Hidden grid	PET felt	9 mm	600x600x59
Open cell grid	PET felt	9 mm	595x595x59

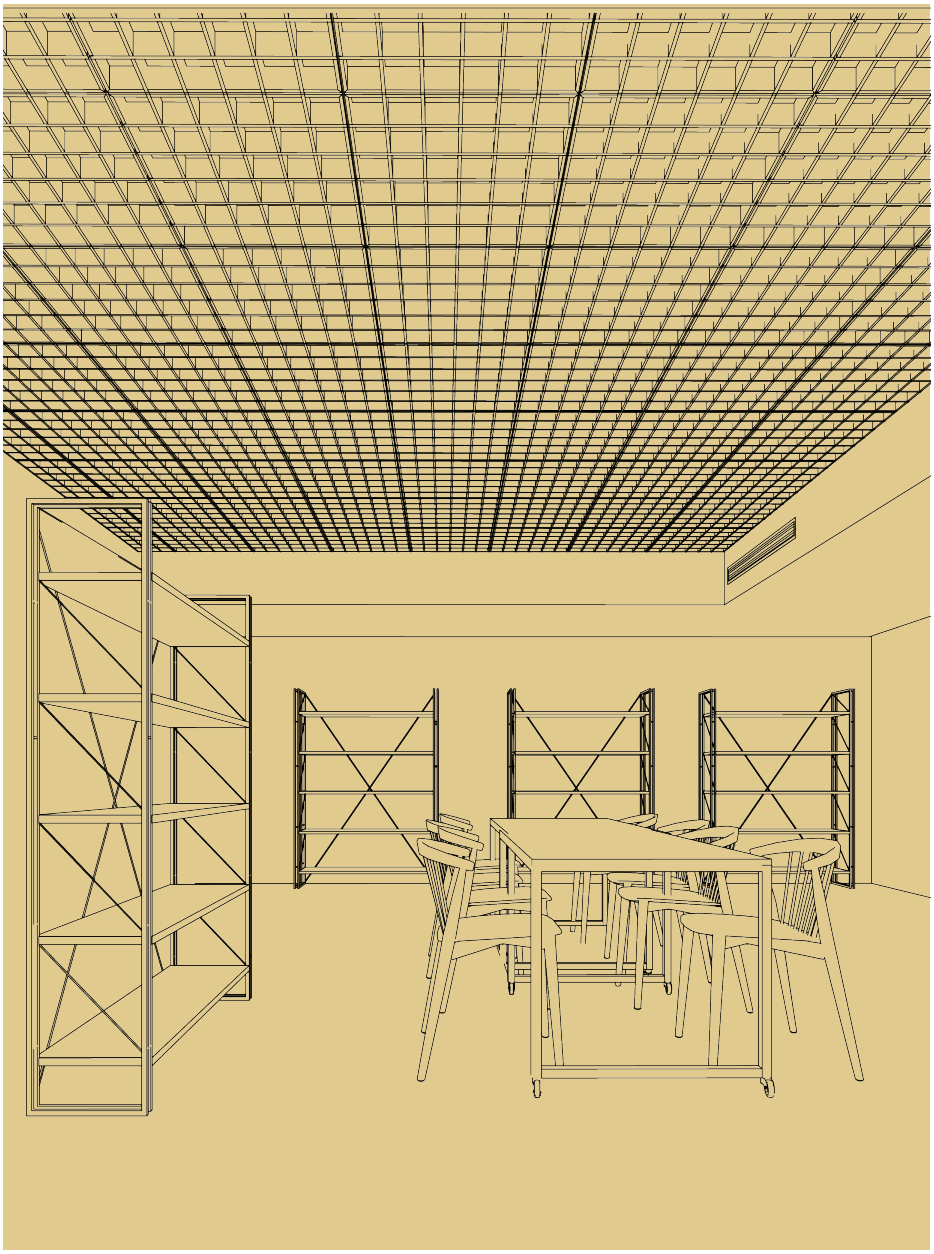
Regulations VOC emissions (EN 16516), reaction to fire (EN 13501-1), acoustic absorption (ISO 354), susp. ceilings EN 13964



*Ceiling: 595x595x59 open cell grid, Golden Yellow AM1

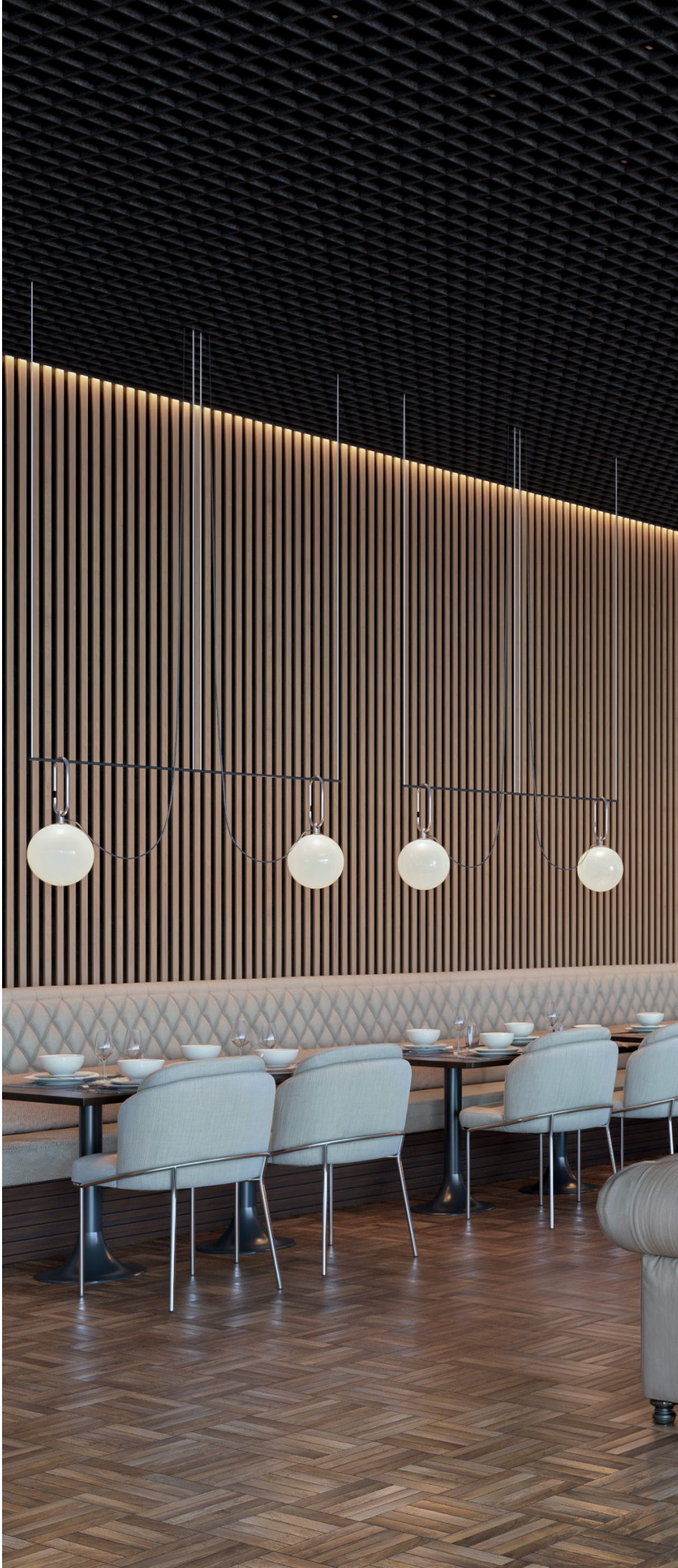



THU
Deco Acoustic

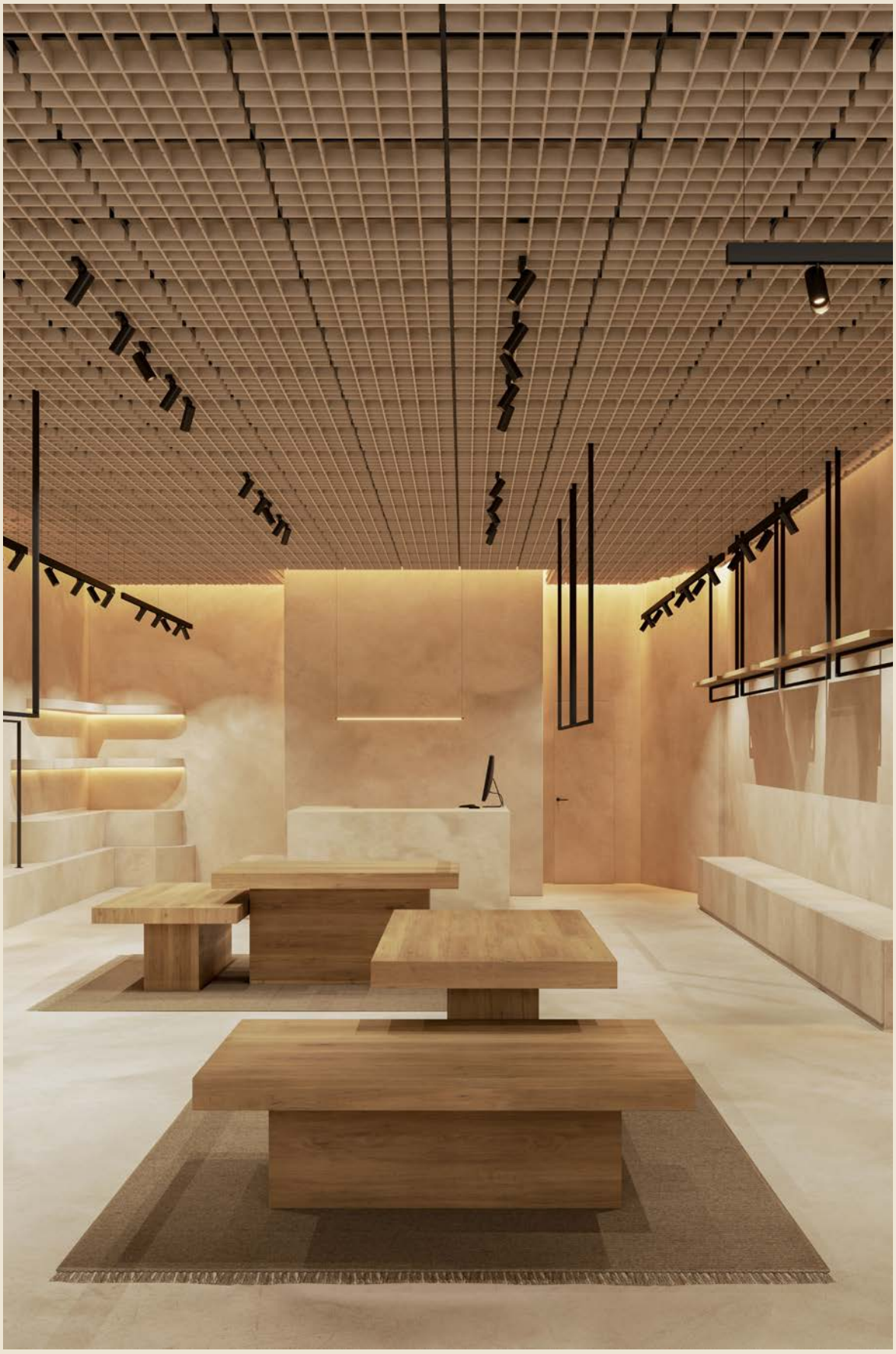


**Ceiling: 595x595x59 open cell grid, Golden Yellow AM1*
**Wall: Blank wall panel up to 1200x2400, Charcoal AN1*

**Ceiling: 600x600x59 hidden grid, Black NE1*
**Wall: 520x2440 mm Quanti panel, Light Oak*

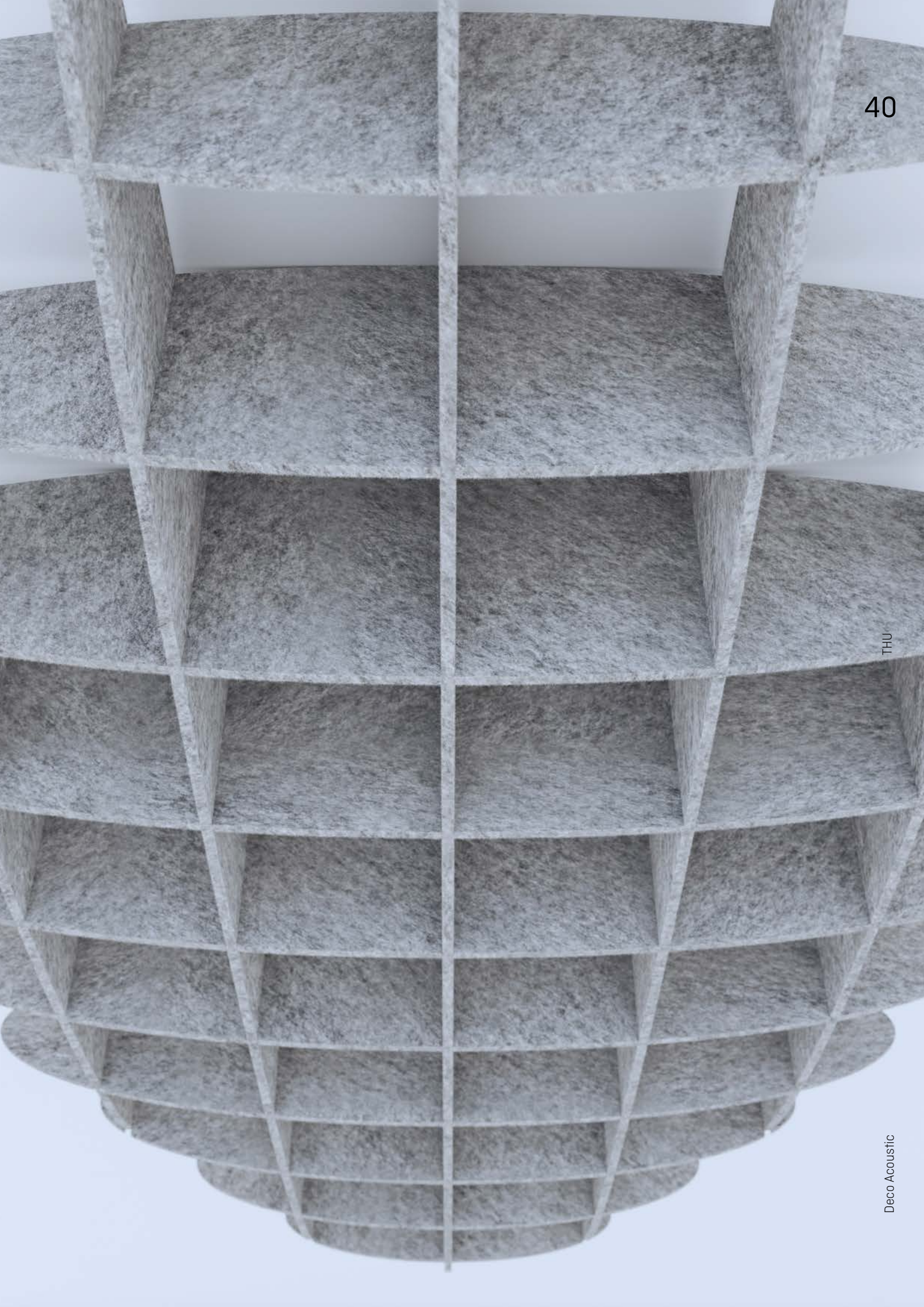






**Ceiling: 595x595x59 exposed grid, Beige BE1*

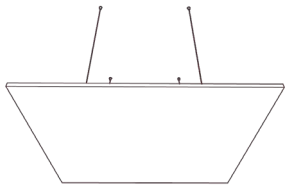




THU

Deco Acoustic

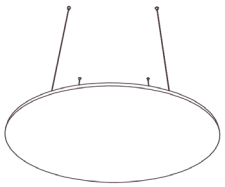
ISLAND



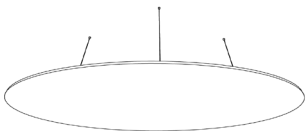
Flat Quad



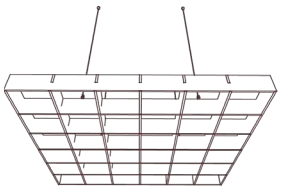
Flat Hex



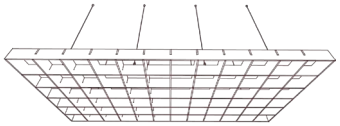
Flat Circle



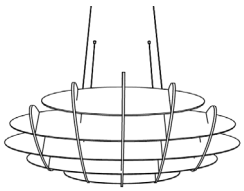
Flat Oval



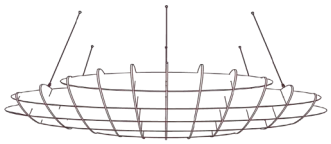
Quad 1200x1200



Quad 1200x2400



Oval 1200x1200



Oval 1200x2400

THU's Deco Acoustic Island range is a system of suspended elements offering high acoustic performance and a decorative function, formed by assembling machined components made from PET felt boards.
Through various configurations in the choice of finish colours, sizes and shapes, they offer creative options for decorating spaces that require sound absorption, whilst maintaining flexibility and ease of assembly, without any need for complex work or the installation of support structures.
The Islands are manufactured using PET (polyethylene terephthalate) boards, which are formed from a mixture of recycled fibres that are compacted and heat-treated.
Whether used as a suspended element within a ceiling system or as a standalone unit, their main feature is their ability to provide sound attenuation whilst serving as a decorative element that creates a pleasant atmosphere, without interfering with building services (lighting, electricity, air conditioning, etc.) in spaces with high technical and aesthetic requirements.

Item	***Material***	***Length - Thickness***	***Size (mm)***
Gripple Angel hanger + 2 m cable with ED6 decorative end cap	Steel	2 m cable	
Quad 1200x1200	PET felt	9 mm	1200x1200x120
Quad 1200x2400	PET felt	9 mm	1200x2400x120
Oval 1200x1200	PET felt	9 mm	1200x1200x240
Oval 1200x2400	PET felt	9 mm	1200x2400x240
Flat Circle	PET felt	24 mm	Ø1190x24
Flat Oval	PET felt	24 mm	1190x2390x24
Flat Quad	PET felt	24 mm	1190x1190x24
Flat Hex	PET felt	24 mm	1030x1190x24

Regulations VOC emissions (EN 16516), reaction to fire (EN 13501-1), acoustic absorption (ISO 354), susp. ceilings EN 13964

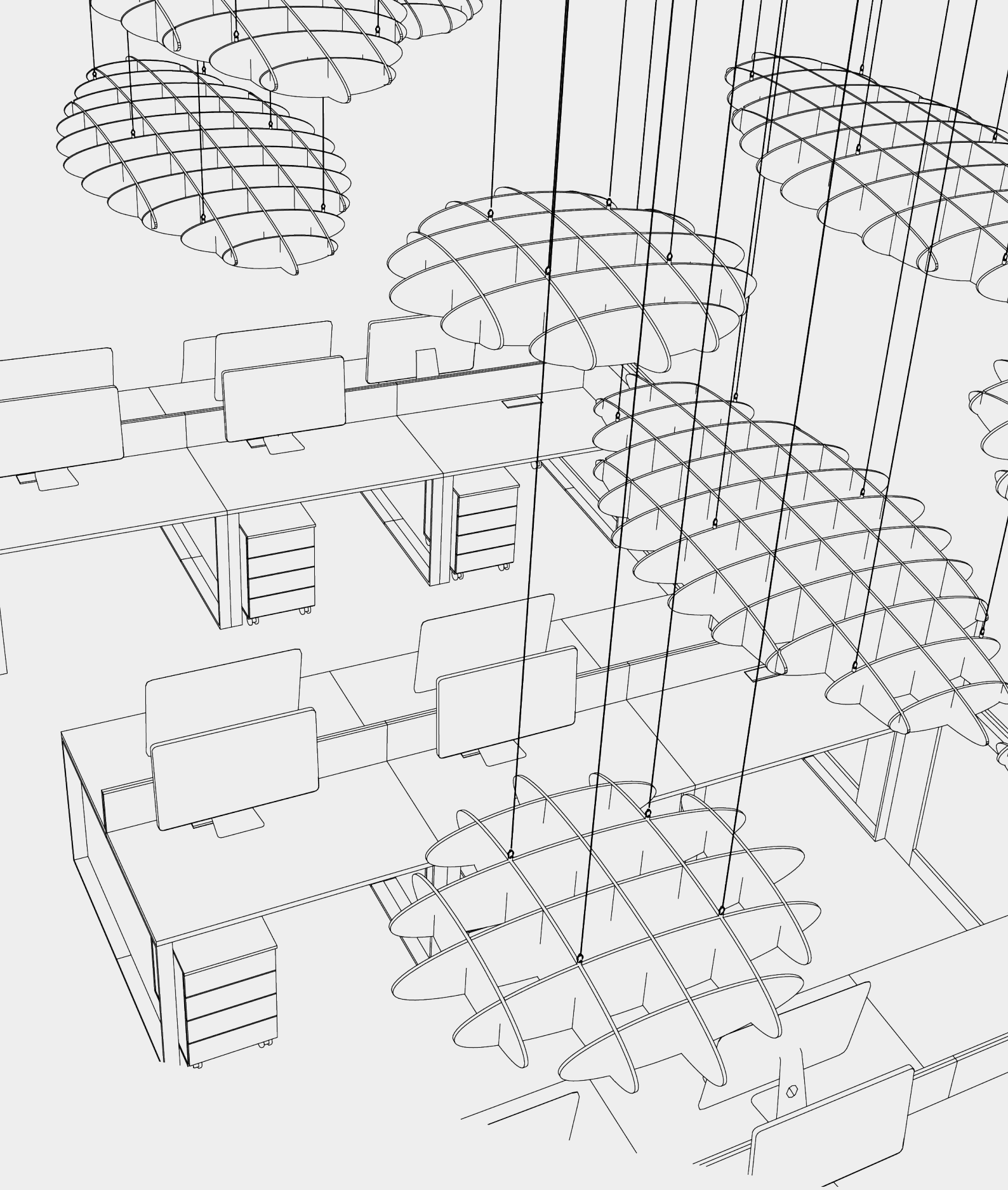


**Ceiling: 1190 mm Flat Circle Island, Charcoal AN1*

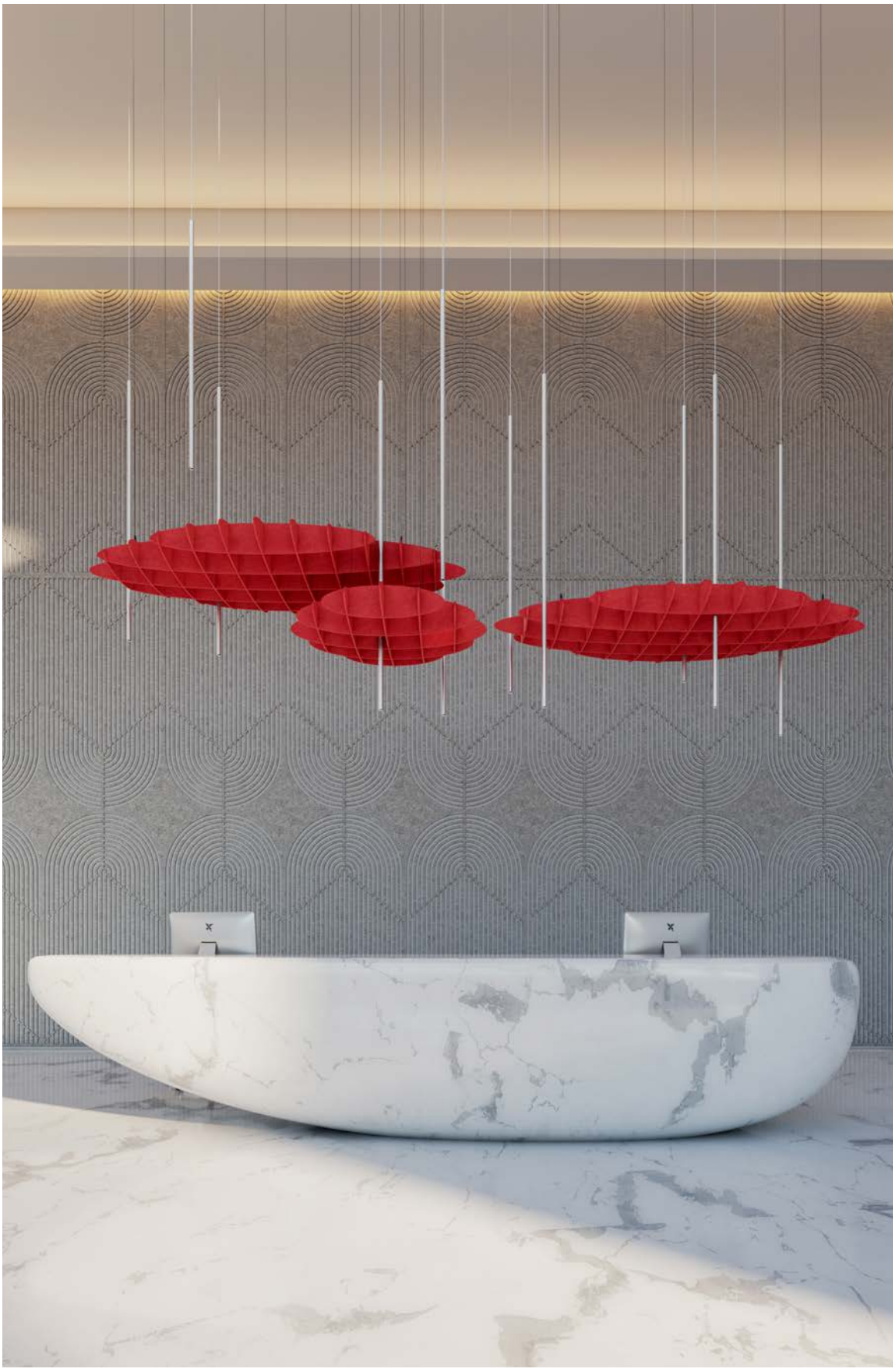


**Ceiling: 1190 mm Flat Hex Island, Dark Purple MR1 and Strong Pink RS1*

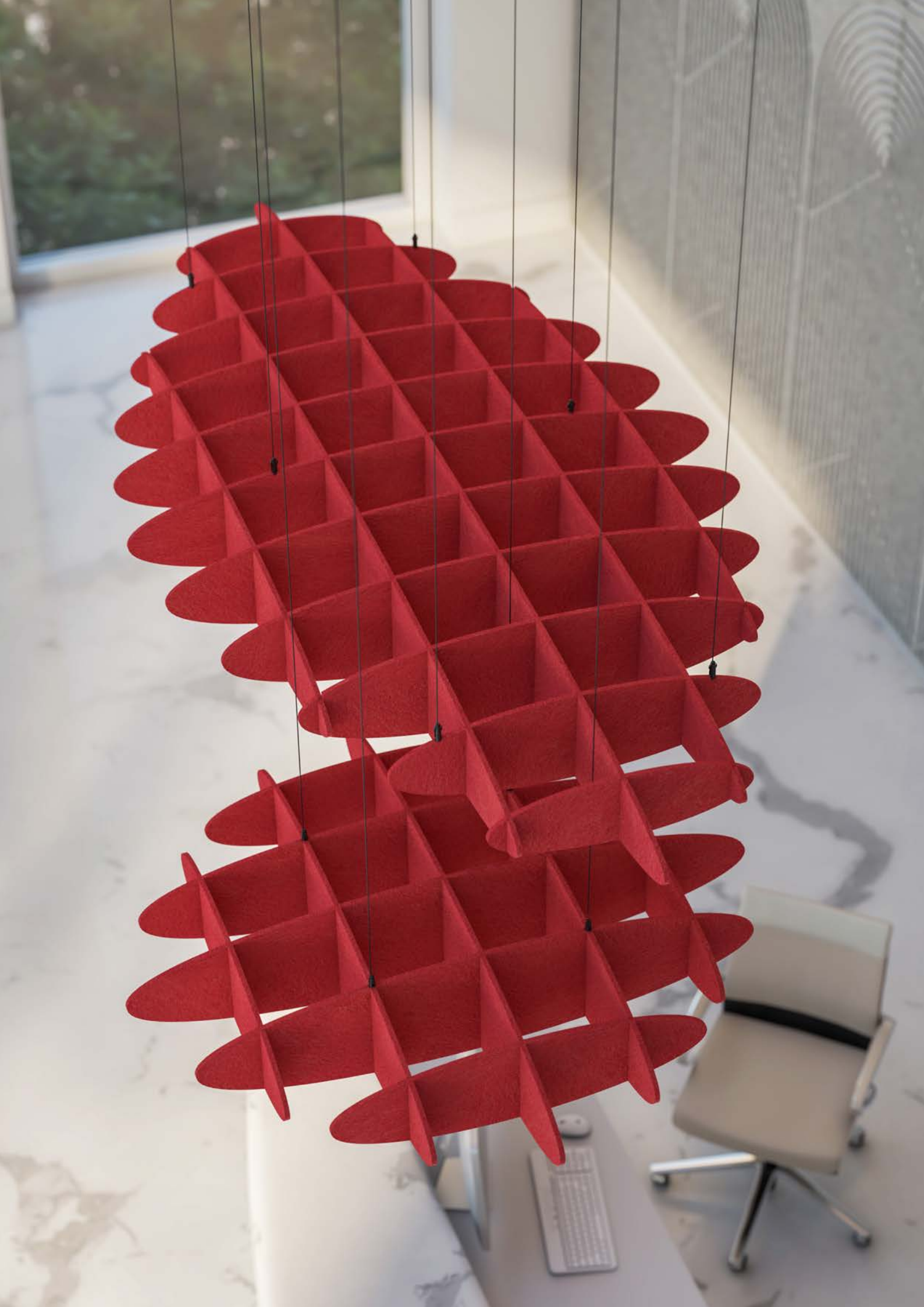




**Ceiling: 1200x1200 Oval Island and 1200 x 2400 Oval Island, Grey GR1 and Charcoal AN1*



**Ceiling: 1200x1200 Oval Island and 1200 x 2400 Oval Island Fast Red RJ1*
Wall: Arcs Screen Panel up to 1200x2400, Grey GR1




GO
DO



**Ceiling: 120x120 Quad Island and 1200 x 2400 Quad Island, and Charcoal AN1 and Matcha Green VE2*



THU



**Ceiling: 1200x1200 Quad Island and 1200 x 2400 Quad Island, Charcoal AN1 and Matcha Green VE2*
**Wall: Die-cut Blank Wall Panel up to 1200x2400, Grey GR1, and Blank Wall Panel, Black NE1, 1200x2400*

PANEL

THU's Deco Acoustic Panel range is a high-performance acoustic system composed of modular panels made from recycled PET felt, designed for wall cladding, vertical elements and closed, removable technical ceilings mounted on T15 and T24 metal profiles.

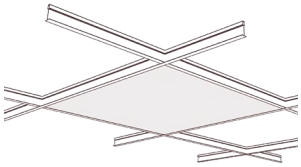
The panels are manufactured from polyethylene terephthalate (PET) boards, made from compacted and heat-treated recycled fibres, offering a lightweight, decorative material with high acoustic performance.

The installation combines smooth and corrugated PET panels with embossed patterns (blank, V line, V waves), pre-lacquered galvanised steel primary profiles, and panels featuring linear slatted decorative elements in natural wood or wood fibre boards, ensuring a stable, functional and durable system.

In ceiling applications, it stands out for its seamless appearance and easy access to the ceiling cavity, facilitating the maintenance of installations such as lighting, electrical systems and air conditioning.

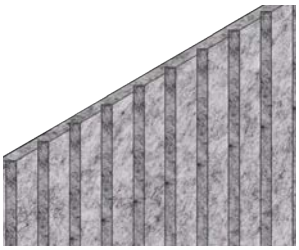
Furthermore, it can be used in multiple configurations when it comes to module sizes, colours and embossed designs, offering creative options for spaces with high technical and aesthetic requirements.

Base Panel (installed with profile) standard and special colours



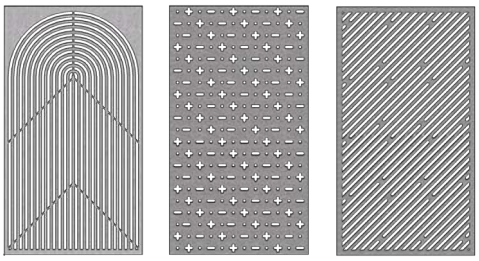


Wall Panel (wall-mounted) standard and special colours

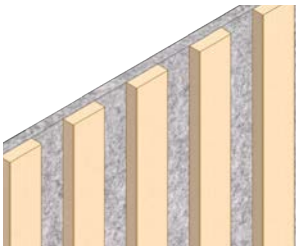




Screen Panel (wall-mounted and suspended) standard and special colours.



Quanti Panel (wall-mounted)





Item	*Material*	*Width - Height - Thickness*	*Size (mm)*
T15-38 substructure (exposed)	Steel	15 mm/38 mm	3700-1200-600x38x15
T24-38 substructure (hidden)	Steel	24 mm/38 mm	3700-1200-600x38x24
Base (Blank, V Line, V Waves)	PET felt	9 mm	595x595 and 595x1195
Wall (Blank, V Line, V Waves)	PET felt	9 mm	600x1200-1800-2400, 1000x1800 and 1200x2400
Screen	PET felt	9 mm/24 mm	600-1000x1800 and 1200x2400
Quanti	PET felt/ MDF slats + wood veneer	9+9 mm	520x2440

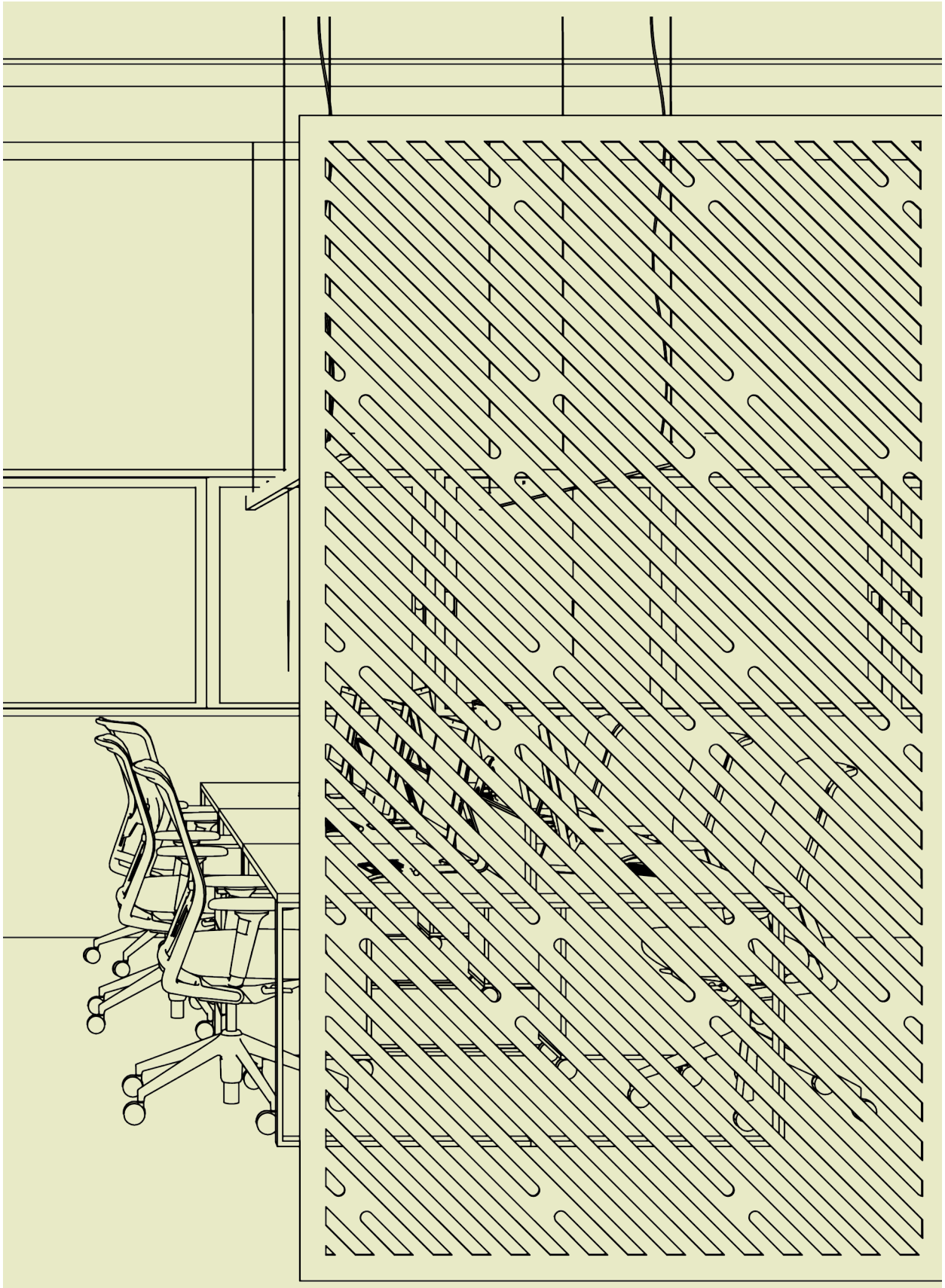
Regulations VOC emissions (EN 16516), reaction to fire (EN 13501-1), acoustic absorption (ISO 354), susp. ceilings EN 13964





*Wall: Blank Wall Panel up to 1200x2400, **Charcoal AN1***
Ceiling: Blank Base Panel 595x595, Charcoal AN1





**Suspended: Diagonal Screen Panel up to 1200x2400,* Matcha Green VE2



**Wall: Minus plus dot Screen Panel up to 1200x2400, Sea Blue AZ1, used as cladding*



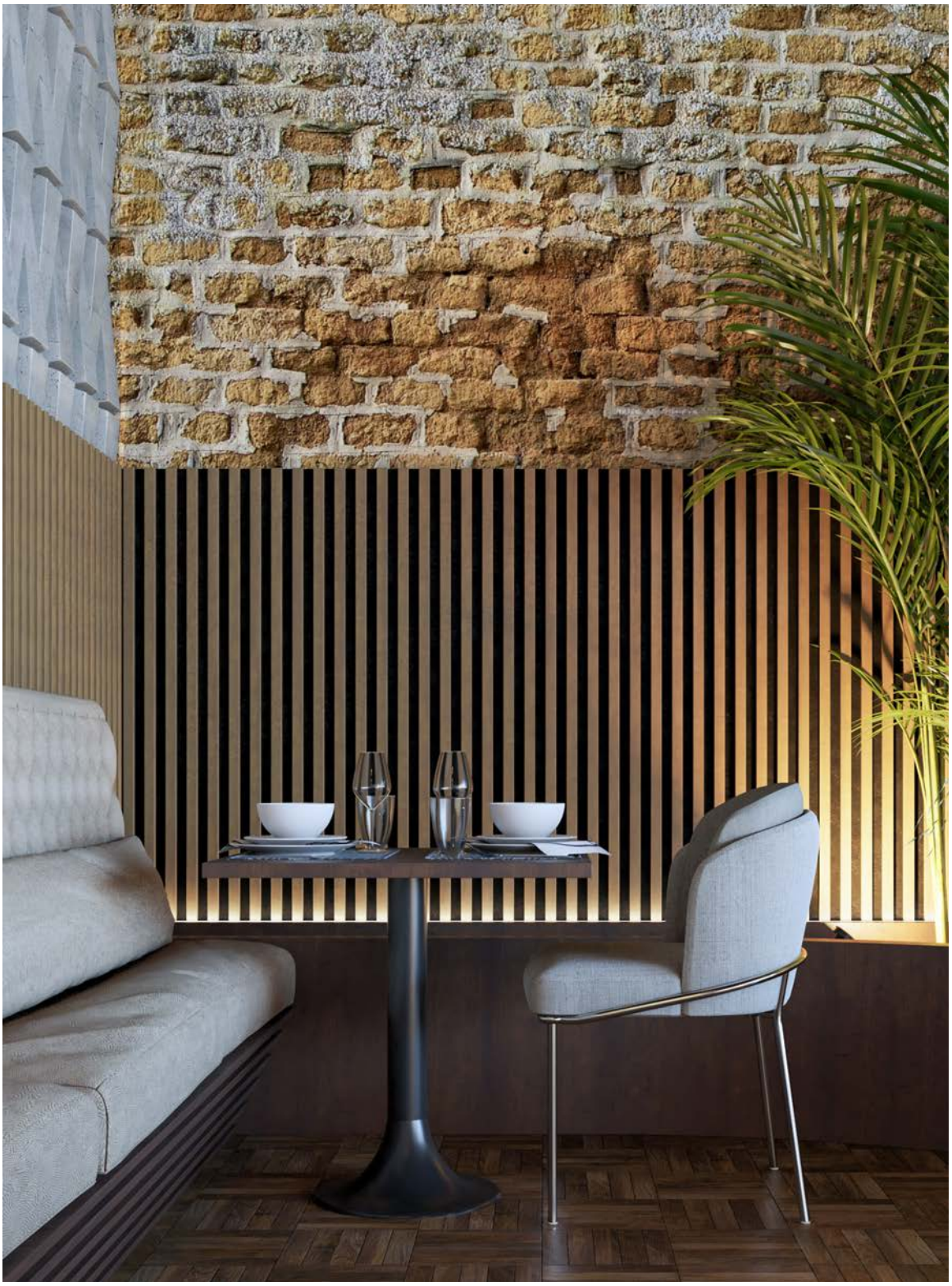
Wall: U Line Wall Panel up to 1200x2400, Sea Blue AZ1

**Ceiling: V Waves Base Panel 595x595, Sea Blue AZ1*
Wall: U Line Wall Panel up to 1200x2400, Grey GR1









**Wall: Quanti Panel, Light Oak (right)*
Ceiling: Arcs Screen Panel up to 1200x2400. Grey GR1 (left)



**Ceiling: U Dot Base Panel 595x595, Dark Purple MR1*

Wall: Wall Panel up to 1200x2400, Strong Pink RS1 (right) and U Line Wall Panel White BL1 (left)


SILENCIO
CONFORT
TRANQUILIDAD





**Wall: U Line Wall Panel up to 1200x2400,*
Sea Blue AZ1
Grey GR1



Kingspan | THU ceiling solutions



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