Aectual

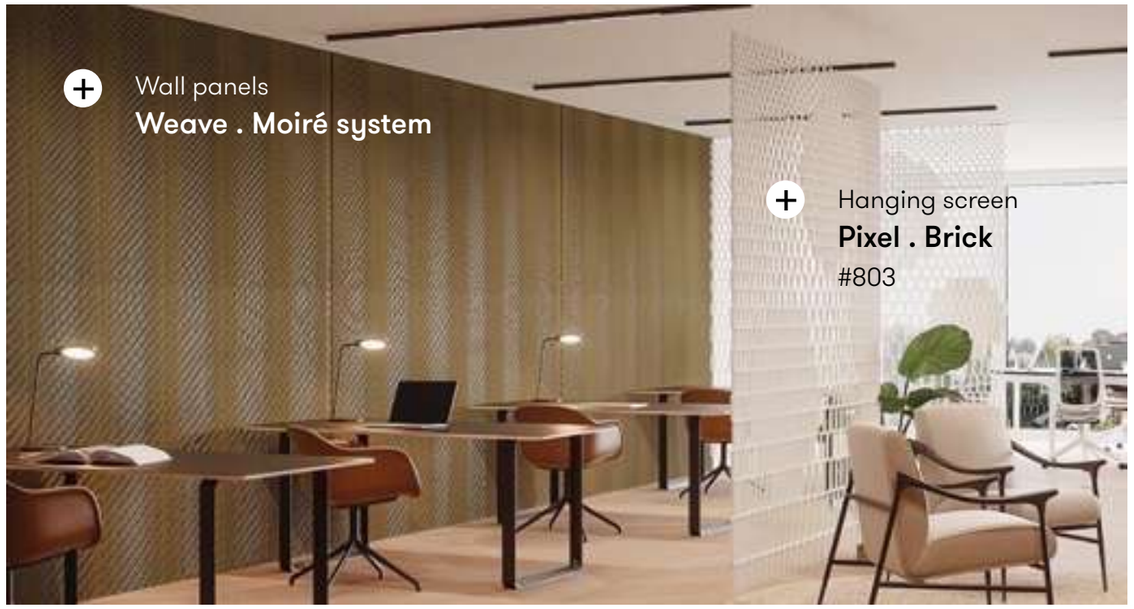
Tailor-made & circular interior architecture made easy

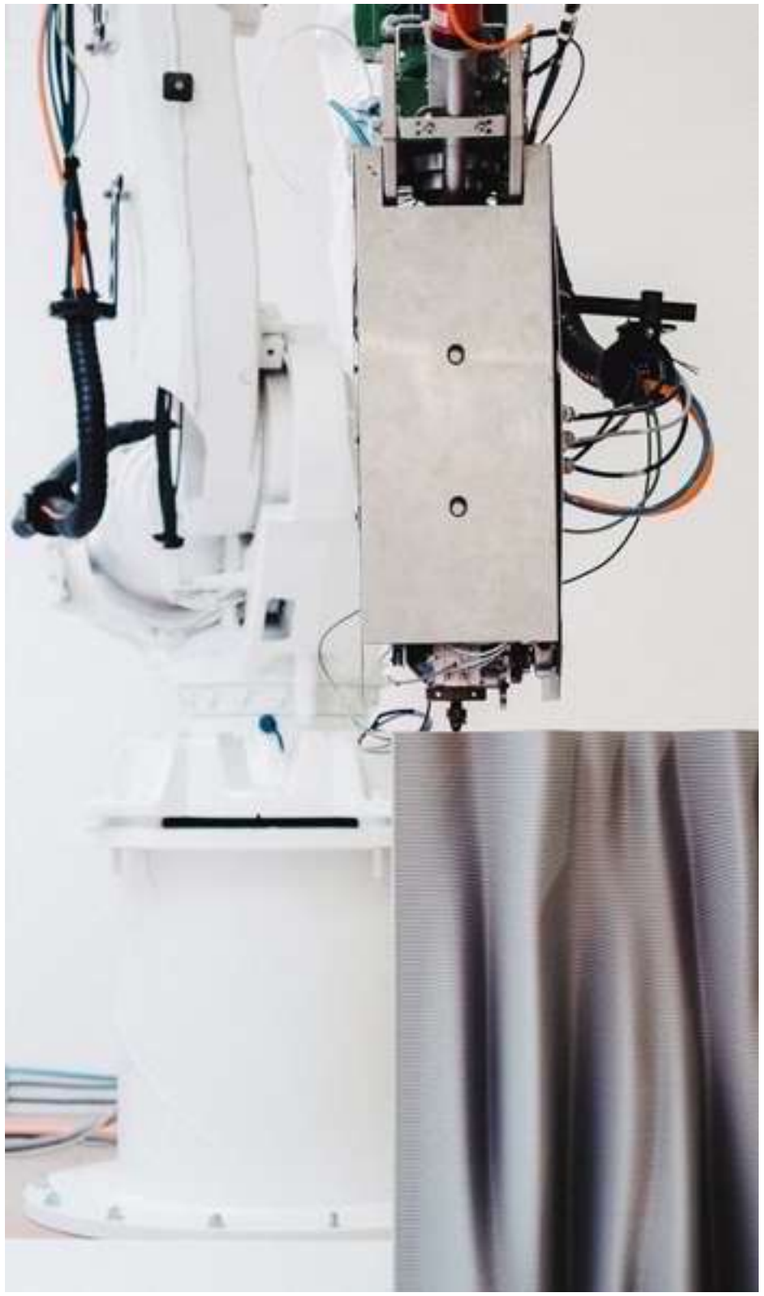
Product Playbook

Edition 2022

Create your tailor-made, interior products & architectural finishes in a circular way

www.aectual.com





Truly circular take-back service.

Through innovative 3D printing techniques, infinitely re-using materials.

+ www.aectual.com/mission

Our products are used for office, retail, hospitality, and home applications. Explore the possibilities for your project.

Partition Screen systems

Hanging screens

Standing screens

Desk screens

Window screens

+

Wall panel systems

Acoustics

Double curved

Decorative

Functional

+

Flooring systems

Seamless hardfloor

+

Interior objects

Planters

Poufs

Office phonebooths

Break-out rooms

Tables

+

Aectual studio solutions

Temporary Facades

Sunshade Canopies

Planters

Fence

+

Product Systems

Pixel
Productline: Brick

Gradient
Productline: Curve, Nazka, Diamond

Chrochet
Productline: Diamond

Mesh
Productline: Curve, Diamond, Butterfly

Block
Productline: Create your own

Weave
Productline: Moiré

Origami
Productline: Diamond

Freeline
Productline: Create your own

Wrap
Productline: Cannelure, Pleat, Drape, Halfpipe, Knit

Soundwave
Productline: Vertical, Horizontal

Pattern Terrazzo
Productline: Upload yours

Claustra
Productline: Triangle, Curve

+

Wall panels & window covering
Pixel . Brick system

Screen systems & privacy solutions

Hanging screens

Products: Pixel, Weave, Origami, Mesh, Crochet

Standing screens

Products: Gradient, Freeline

Desk screens

Products: Origami, Pixel, Gradient, Mesh

Window screens

Products: Gradient, Pixel, Freeline

+ www.aectual.com/categories/partition-and-privacy-screens

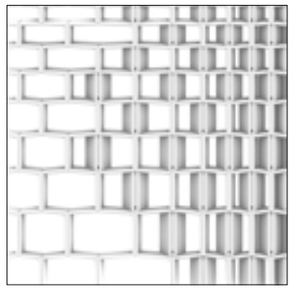
+ Hanging screen
Pixel . Brick
#738

Pixel .

Partition screens, Window coverings

The Pixel . system is an adaptive & transparent spatial divider system suitable for a wide range of settings. Its screens achieve modern expression through abstract patterns and bring a subtle level of privacy. Every pixel in the surface can be open or closed, casting decorative shadows, and giving structure to a floorplan. You can create infinite patterns & symbols based on your design, in line with your space & brand, and realize your own unique signature aesthetic. Scalable to every area size and available in your color of choice.

Product line



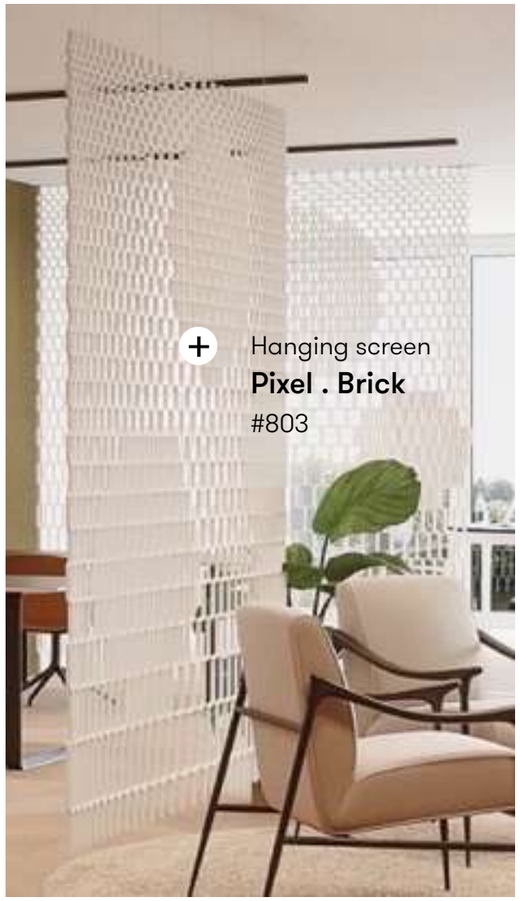
Brick

www.aectual.com/systems/pixel-brick

Window covering
Pixel . Brick system

+ Partition screen
Pixel . Brick system

+ Window covering
Pixel . Brick system



Hanging screen
Pixel . Brick
#803

Hanging screen
Pixel . Brick
#738

Hanging screen
Pixel . Brick
#076

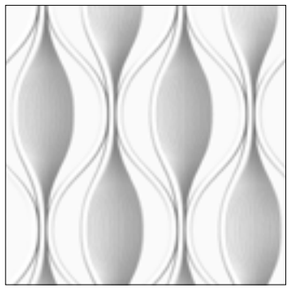
Hanging screen
Pixel . Brick
#673

Gradient .

Screens, Window coverings, Wall panels, Furniture panels, Outdoor canopies

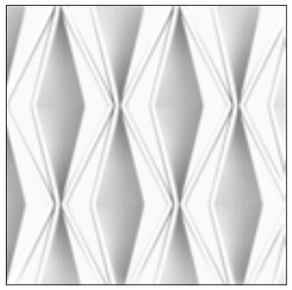
The Gradient system plays with light & privacy through adaptive patterns that gradually open and close. Every cell in this product has a louver that can be positioned at an exact angle. This allows you to create bespoke graphic and brand designs, precise sun shading, and play with privacy. Use it as hanging screens to provide tailored shade in front of windows, or self-standing room divider. Scalable to every area size and available in your color of choice.

Product line



Curve

Nazka

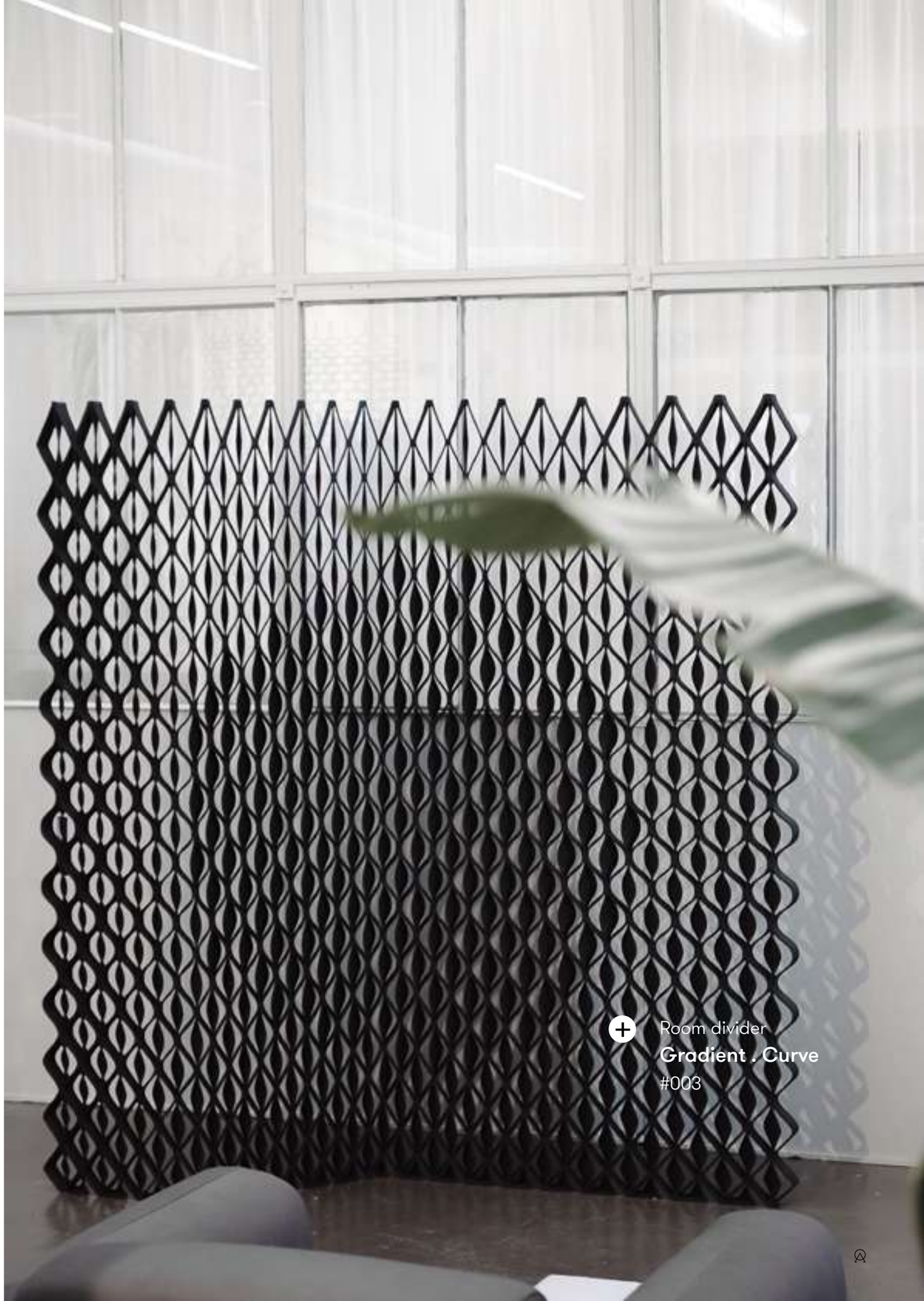


Diamond

www.aectual.com/systems/gradient-curve

Window covering
Gradient . Curve system

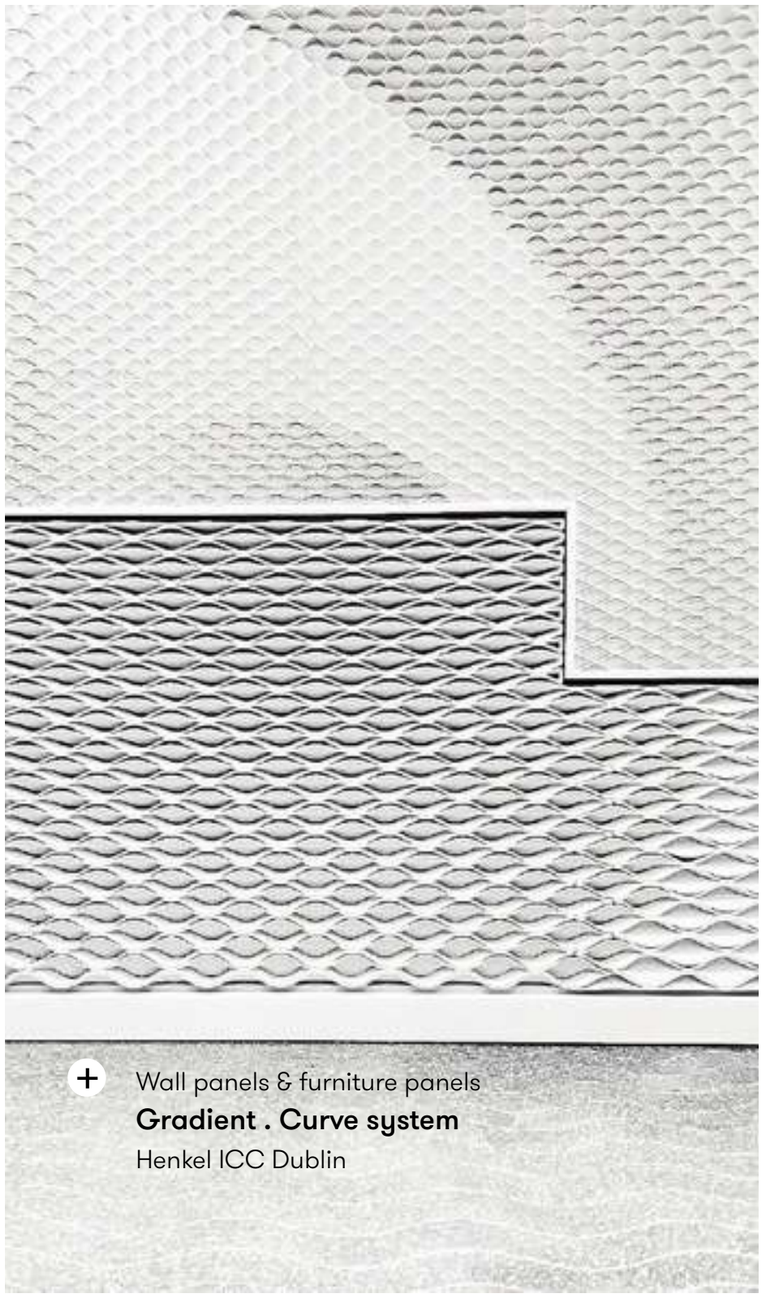
Furniture panels
Gradient . Curve system
Flagshipstore LOFT, Ginza Tokyo



Room divider
Gradient . Curve
#003

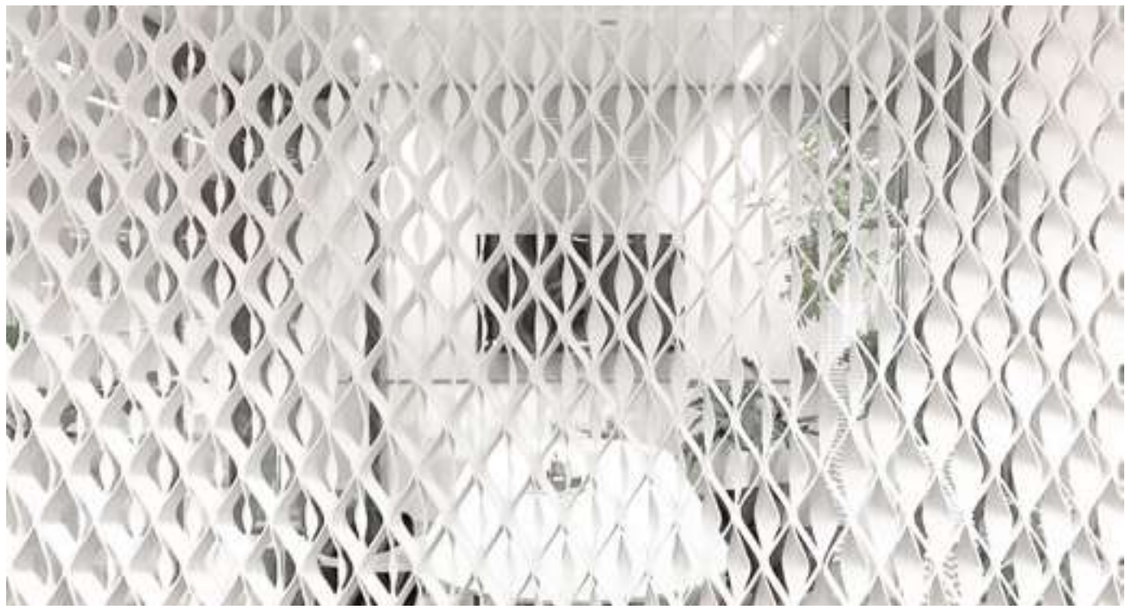
Partition screen

Gradient . Curve system



Wall panels & furniture panels
Gradient . Curve system
Henkel ICC Dublin

Window & meeting room covering
Gradient . Curve system
Edge Technology Amsterdam



Explore our wide color collection

Or create a unique bespoke color to match your interior design

www.aectual.com/colors

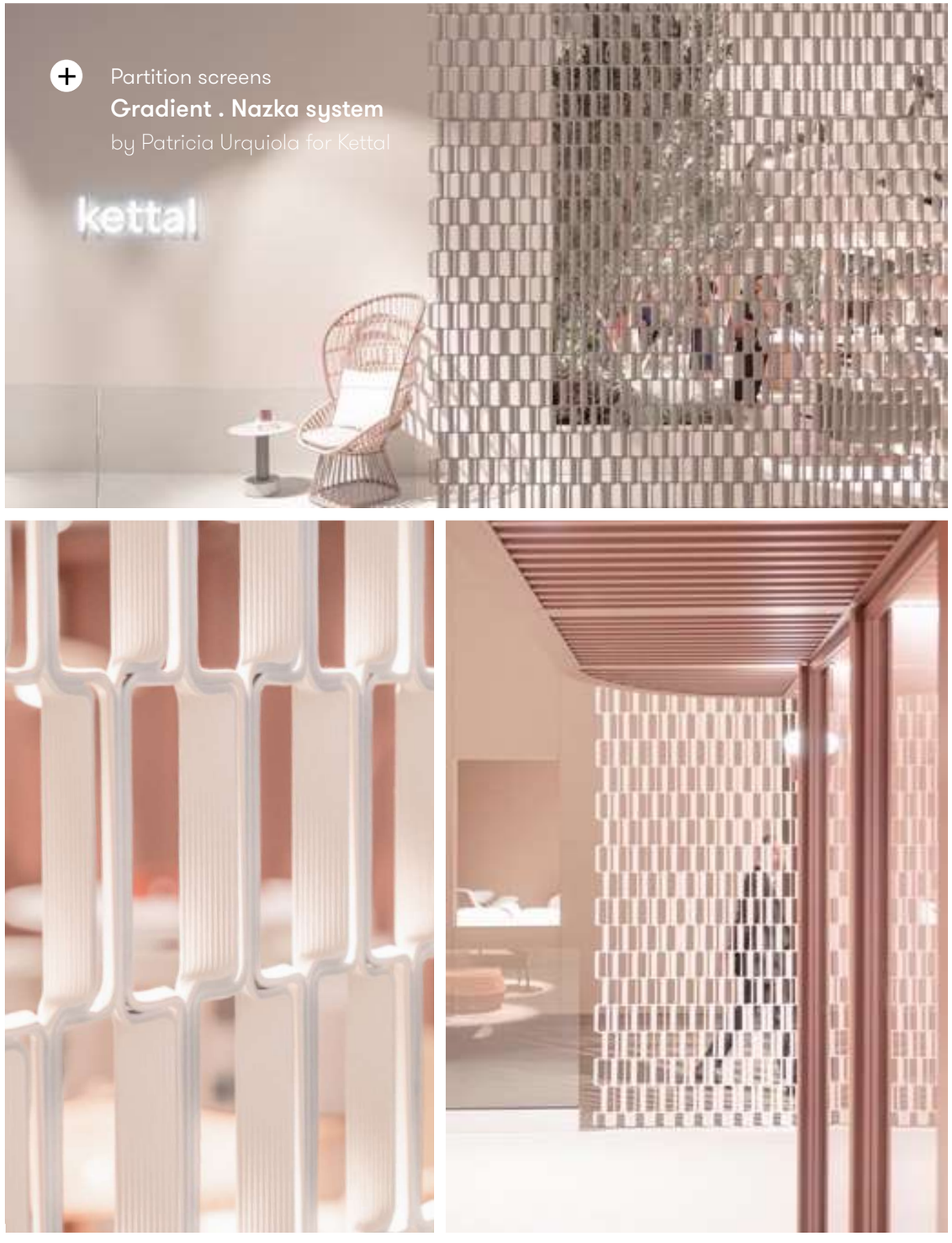
Window screen

Gradient . Nazka system

Wall panels
Gradient . Nazka
Restaurant Amsterdam

Window covering
Gradient . Nazka
#102

Partition screens
Gradient . Nazka system
by Patricia Urquiola for Kettal

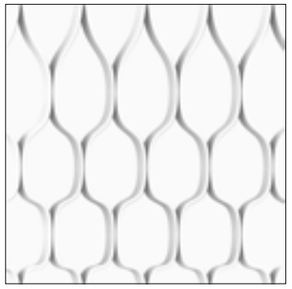

Partition screens
Gradient . Nazka system
by Patricia Urquiola for Kettal
kettal

Mesh .

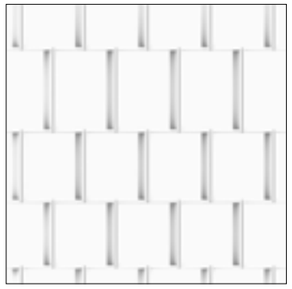
Partition screens, Window coverings

The Mesh . system consists of highly graphic, thin hanging partition screens with patterns that can change in size & shape. Configure the direction of the shape to create more dense or more open patterns. Use the system as a spatial solution to guide routing and atmosphere. The system is scalable to any area and available in your color of choice.

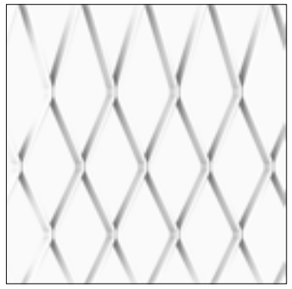
Product line



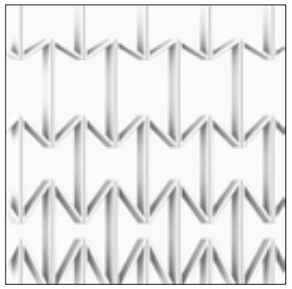
Curve



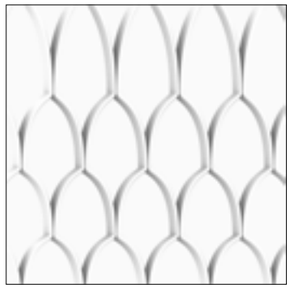
Brick



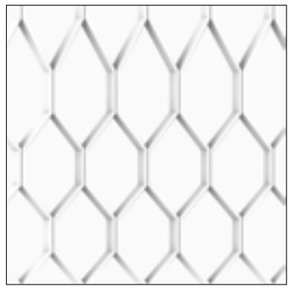
Diamond



Butterfly



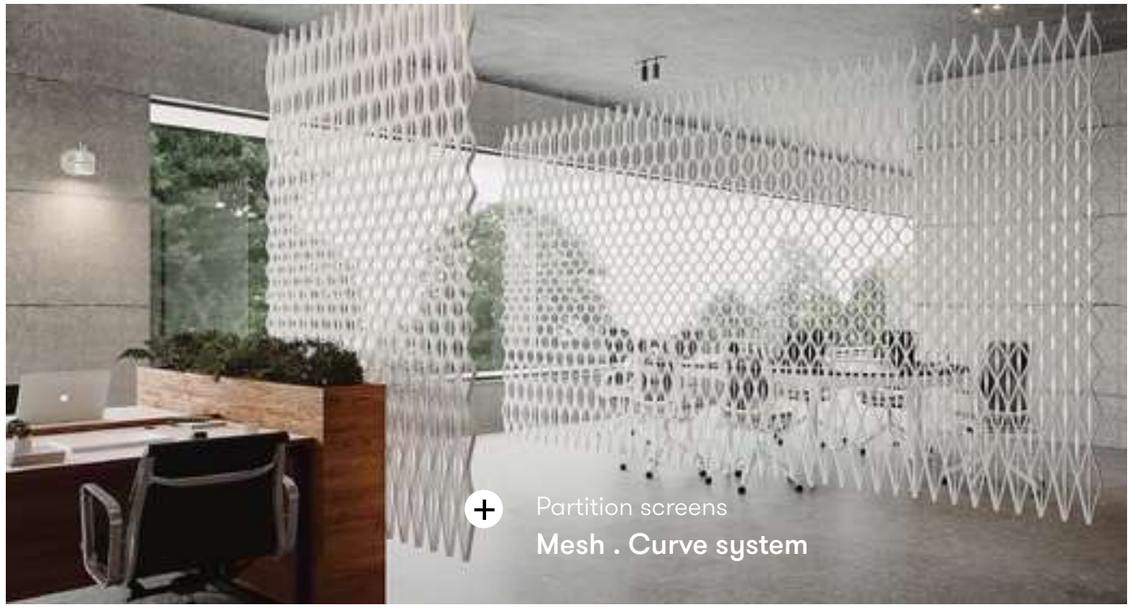
Scallop



Hexagon

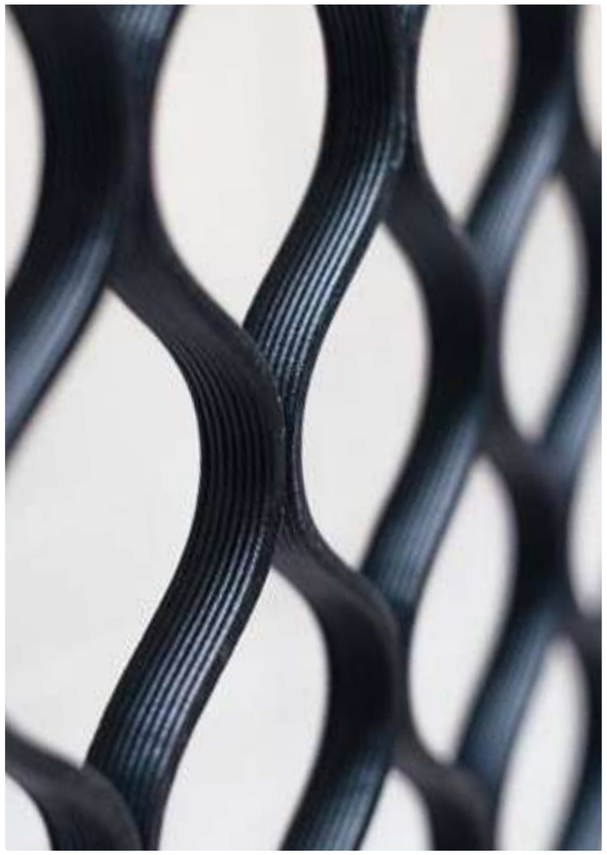
www.aectual.com/systems/mesh-curve

Partition screen
Mesh . Curve
#023



Partition screens
Mesh . Curve system

Table Screen
Mesh . Brick
#415

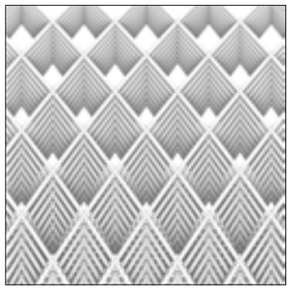


Crochet .

Partition screens, Wall panels

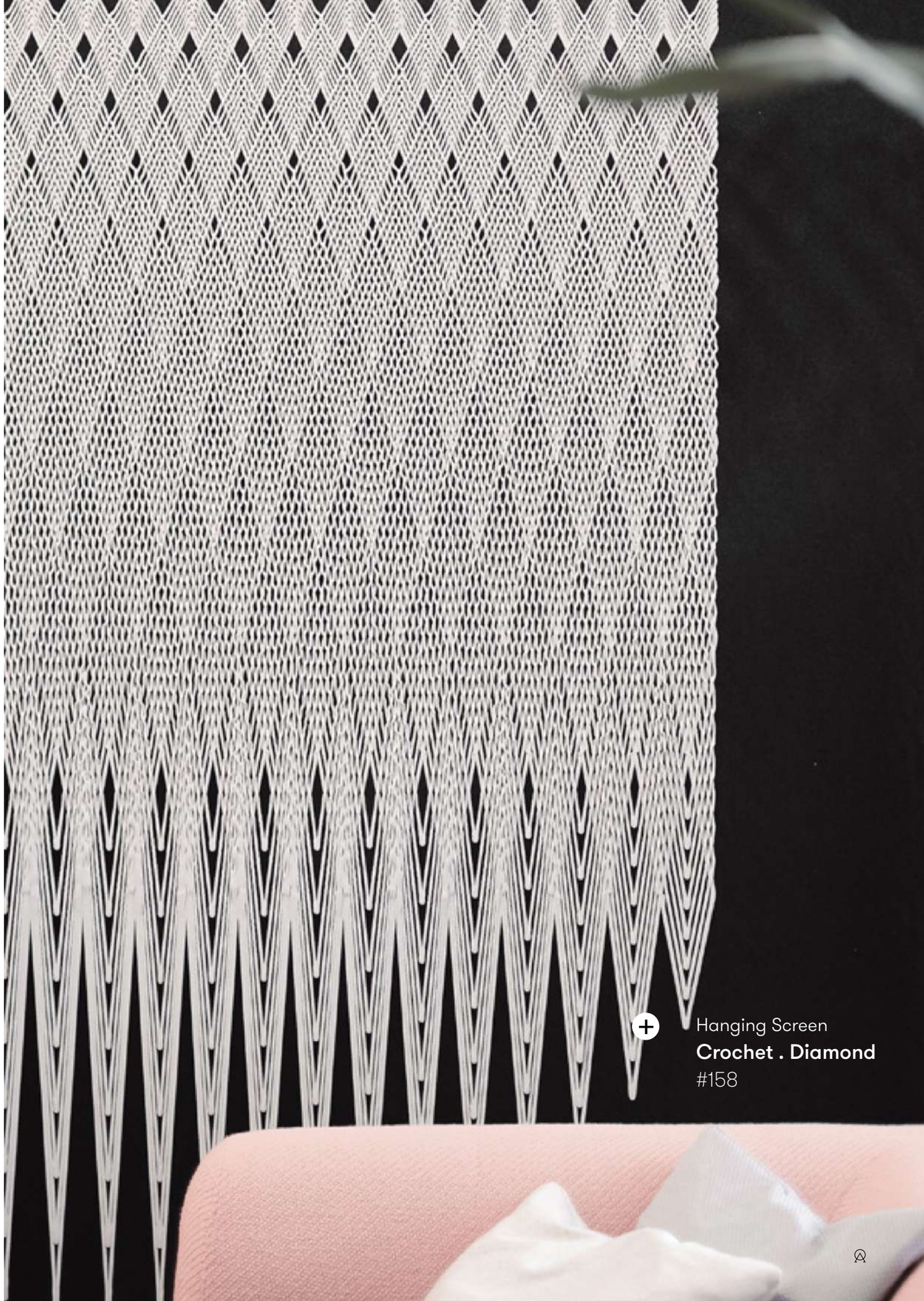
The notion of ‘architectural intimacy’ inspired the design of the Crochet . system . The 3D printing technique is applied in such a way that an almost crocheted effect appears, creating a tactile and flexible structural fabric. The system brings a high level of privacy and is perfect for creating intimate settings in a larger space or enhancing atmosphere as unique wall paneling.

Product line



Diamond

www.aectual.com/systems/crochet-diamond

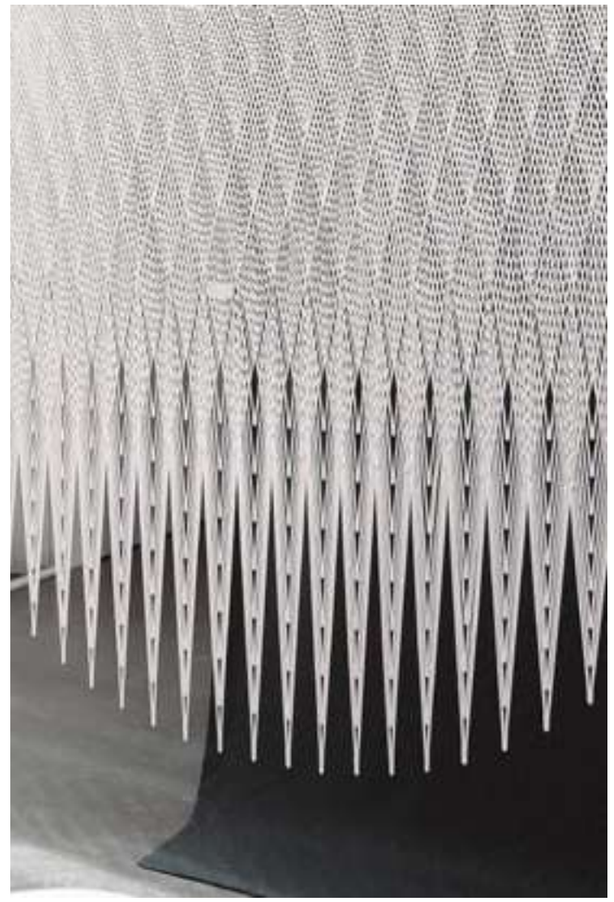


Hanging screens
Crochet . Diamond system

Wall panels
Wrap . Cannelure system

Hanging screens
Crochet . Diamond
#102

Wall piece
Crochet . Diamond
#164



Hanging screens
Crochet . Diamond system

Freeline .

Partition screens

With this screen system you can create unique graphics in 3D. It brings endless design opportunities to integrate storytelling in your interior design or event. Create custom pattern, logo's, pictograms, or create bespoke wayfinding for optimal routing.

Product line

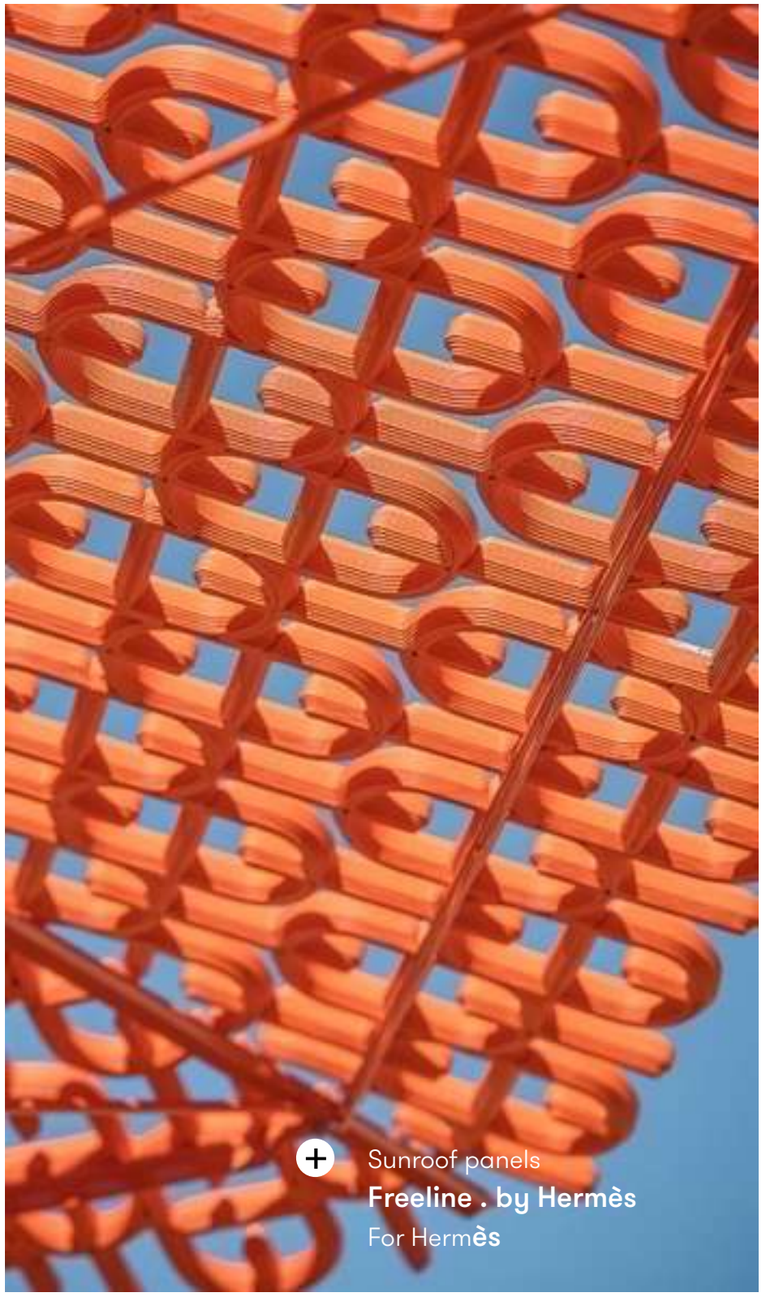
Design your own pattern

www.aectual.com/systems/freeline-tube

Divider screens

Freeline . by Aectual Studio

For Dutch Consulate SF & CES



Sunroof panels
Freeline . by Hermès
For Hermès

Kiosk panels
Freeline . by Hermès
For Hermès

Wall panel
Wrap . Cannelure system
Integrated shelf solution

Furniture panels
Wrap . Halfpipe system

Wall panel solutions

Acoustic diffusion
Products: Soundwave

Sound absorption
Products: Weave, Origami

Double curved
Products: Origami

Decorative
Products: Wrap

Shelving
Products: Wrap

www.aectual.com/wallpanels

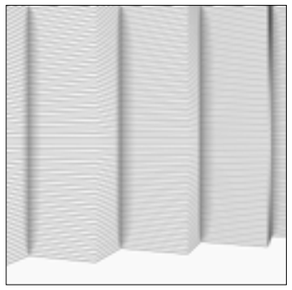
Wrap .

Window panels, Column Coverings, Furniture object, Temporary facades

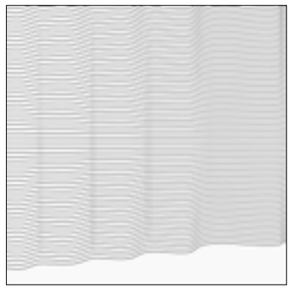
The Wrap . system allows you to fully shape wall panels to your functional and aesthetic needs. You can ‘wrap’ interiors and objects to create a totally bespoke finish. Benefit from the freedom of form and integrate functions such as seating, shelving and product displays, into one wall element. Easy to adapt to every size of space and available in your color of choice.

Products line

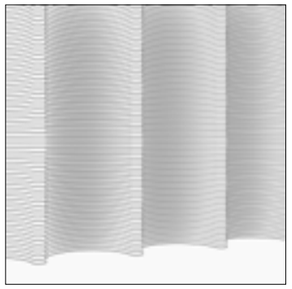
Halfpipe



Pleat



Drape



Cannelure

www.aectual.com/systems/wrap-cannelure

Wall panels
Wrap . Drape system
Bauhaus Pavilion

Pattern Terrazzo
Pattern . by Remote Forms
Bauhaus Pavilion

Wall panels

Wrap . Halfpipe system

Wall panels
Wrap . Pleat system
Bauhaus Pavilion

Wall panels
Wrap . Drape system
Bauhaus Pavilion

Wall panels
Wrap . Cannelure system

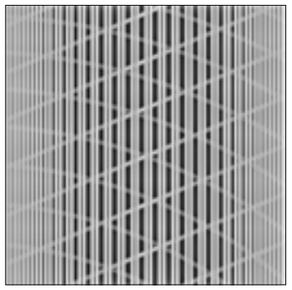
Planter
Wrap . Cannelure
#1340

Weave .

Screens, Wall panels, Furniture panels, Acoustic, Temporary Facades

The Weave . system combines the speed and strength of 3D printing with the art of weaving, resulting in flexible and versatile panels with a woven texture that bring depth to any space. They are built up from three overlaying juxtaposed 3D printed patterns, that you can customize yourself. Add our acoustically performative felt made from recycled PET for additional acoustical optimization. Scalable to every size of space and available in your color of choice.

Product line

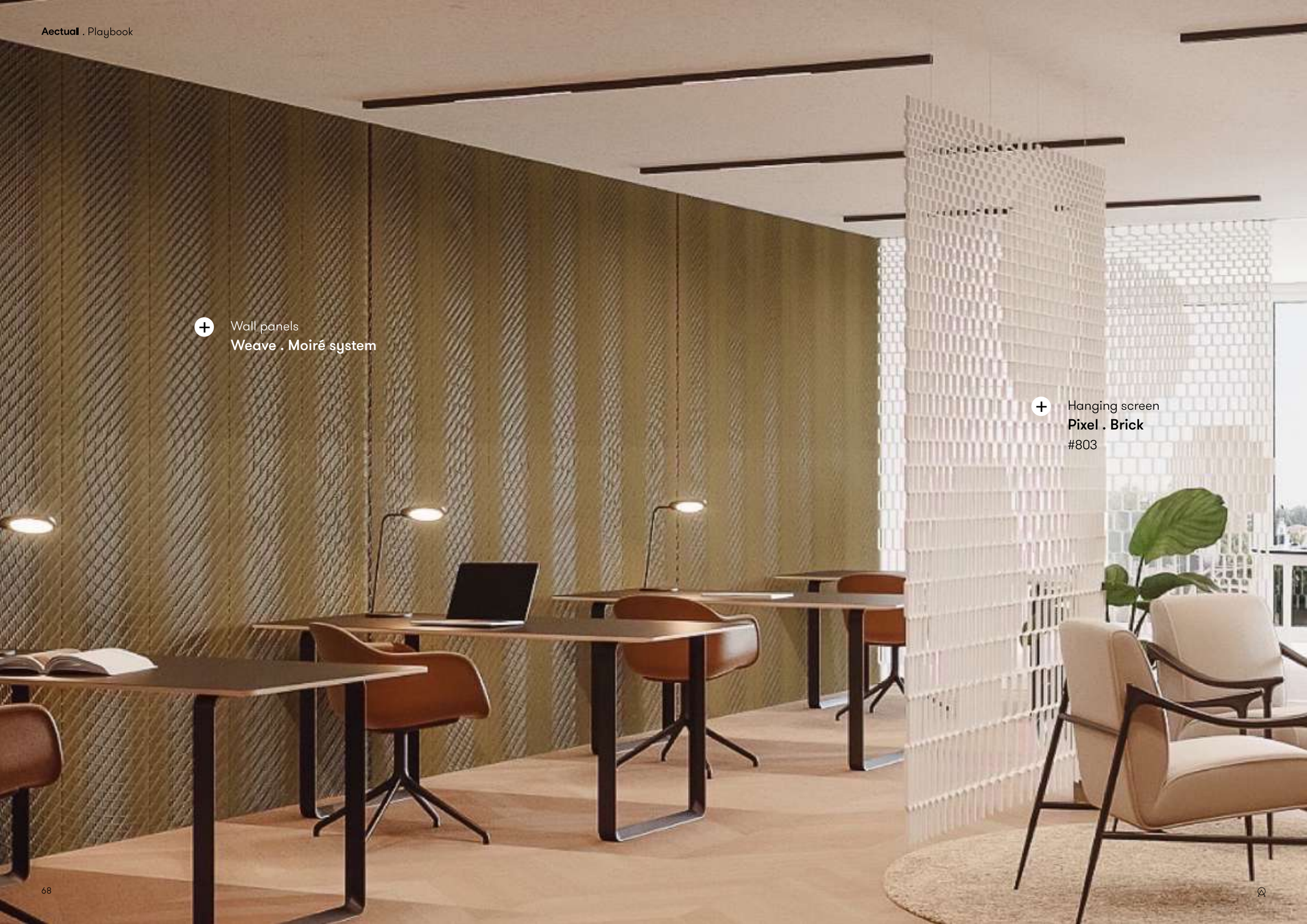


Moiré

www.aectual.com/systems/weave-moire

Wall panel solution
Weave . by Nike
Nike Town London

\+ Temporary facade & ceiling panels
Weave . by Zecc Architects
Dutch Parliament

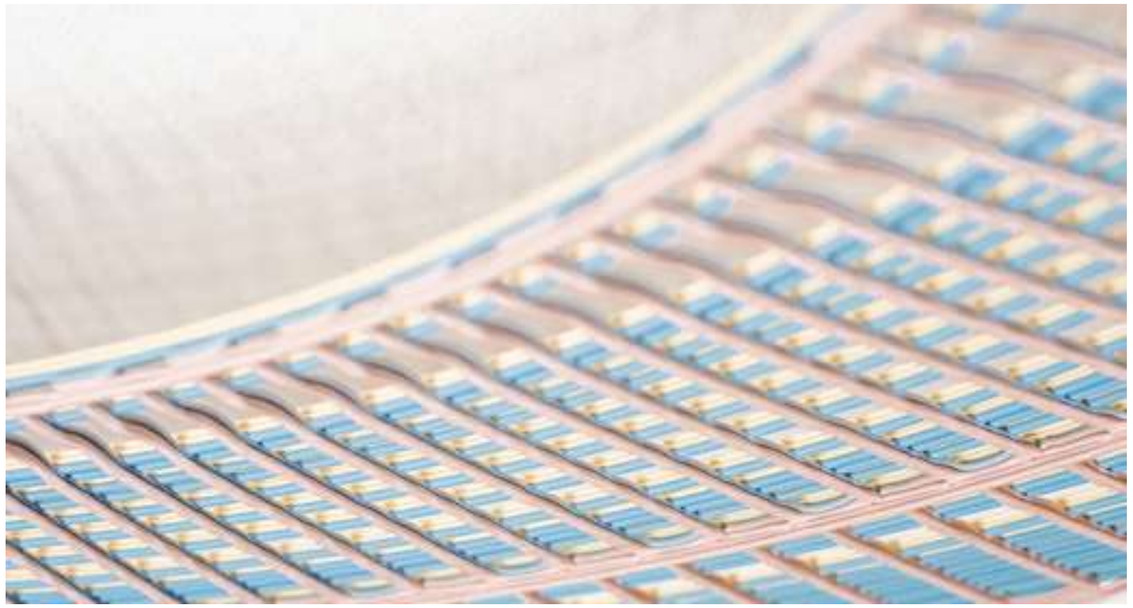


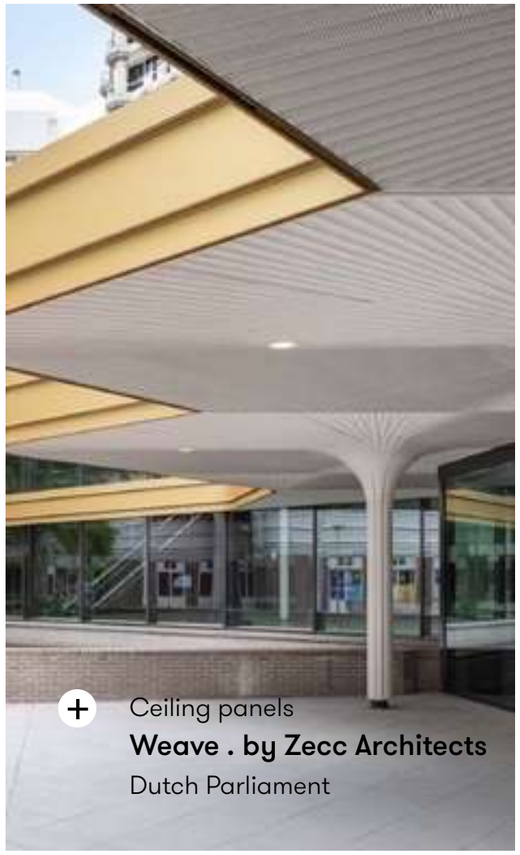
Wall panels
Weave . Moiré system

Hanging screen
Pixel . Brick
#803

+ Temporary facade panels
Weave . by Pragma Architects
UAE pavilion Floriade expo '22

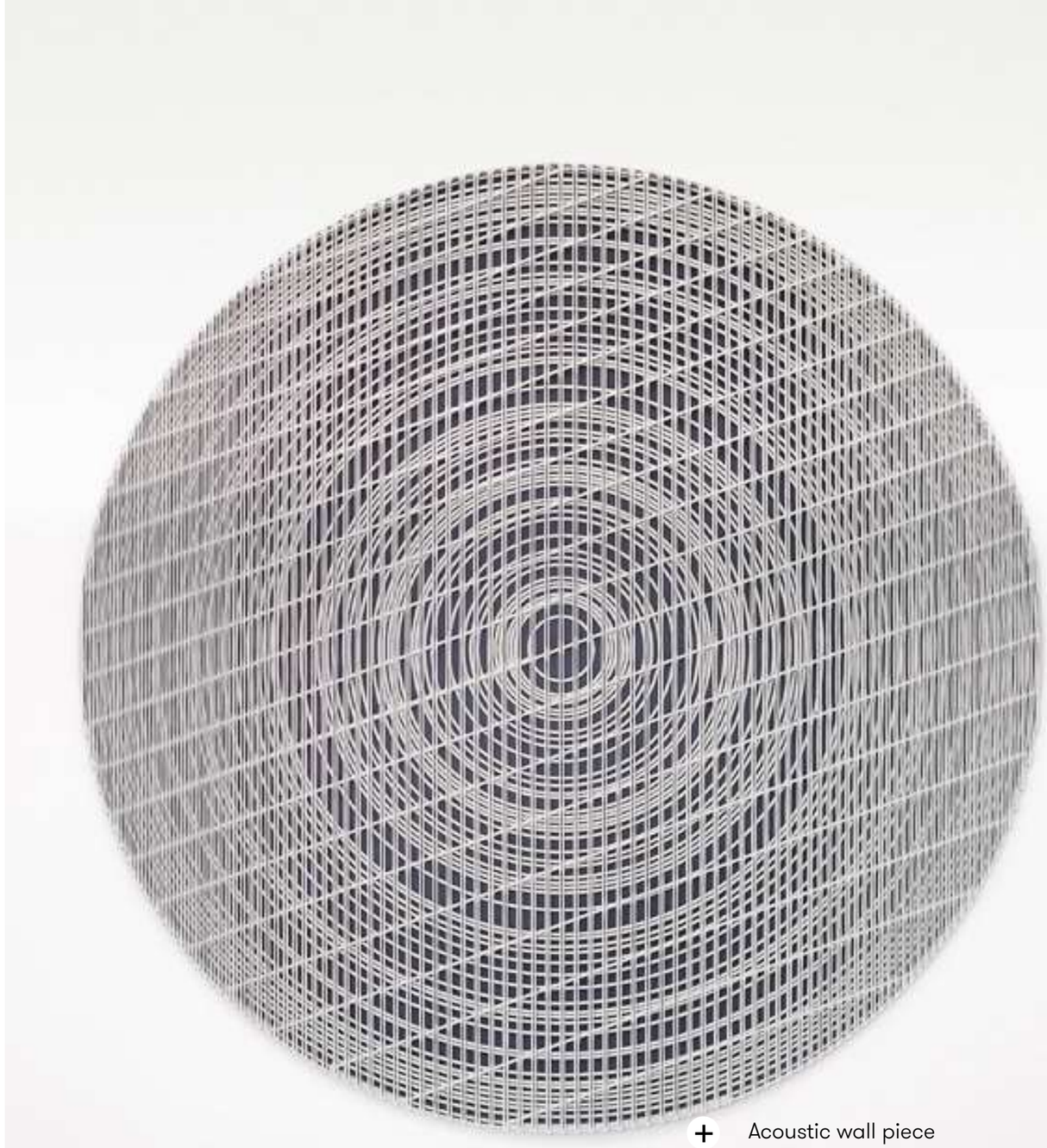
+ Temporary wall
Claustra . by Pragma Architects
UAE pavilion Floriade expo '22





Ceiling panels
Weave . by Zecc Architects
Dutch Parliament

Wall panels
Weave . Moiré system



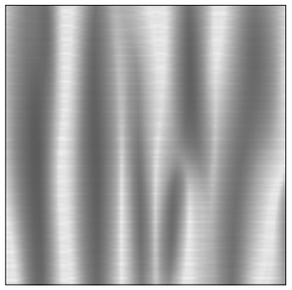
Acoustic wall piece
Weave . Moiré
#898

Soundwave .

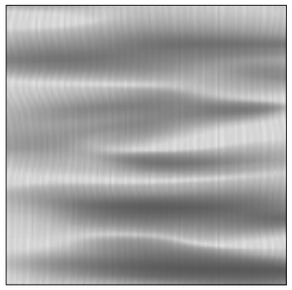
Wall panels, Acoustic, Furniture object

The wave-shapes of the Soundwave . system are generated specifically to create optimal acoustic diffusion in your space. The acoustic diffusion panels enhance speaker intelligibility by reducing echoes and hard specular reflections to create a pleasant acoustic living and working environment. Use as a fully tailored wall covering, combine with even panels, or use as individual eye catcher.

Product line

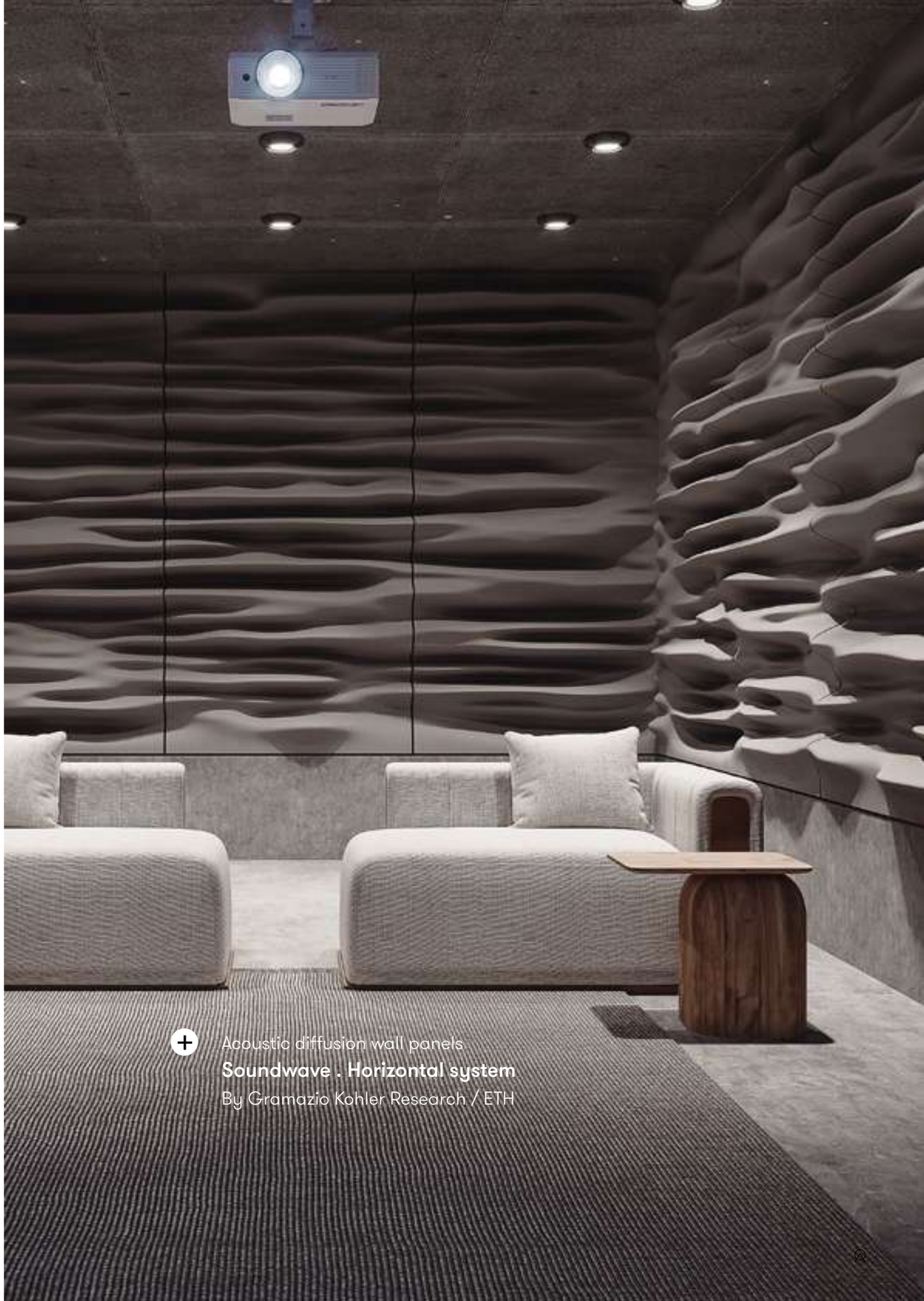


Vertical



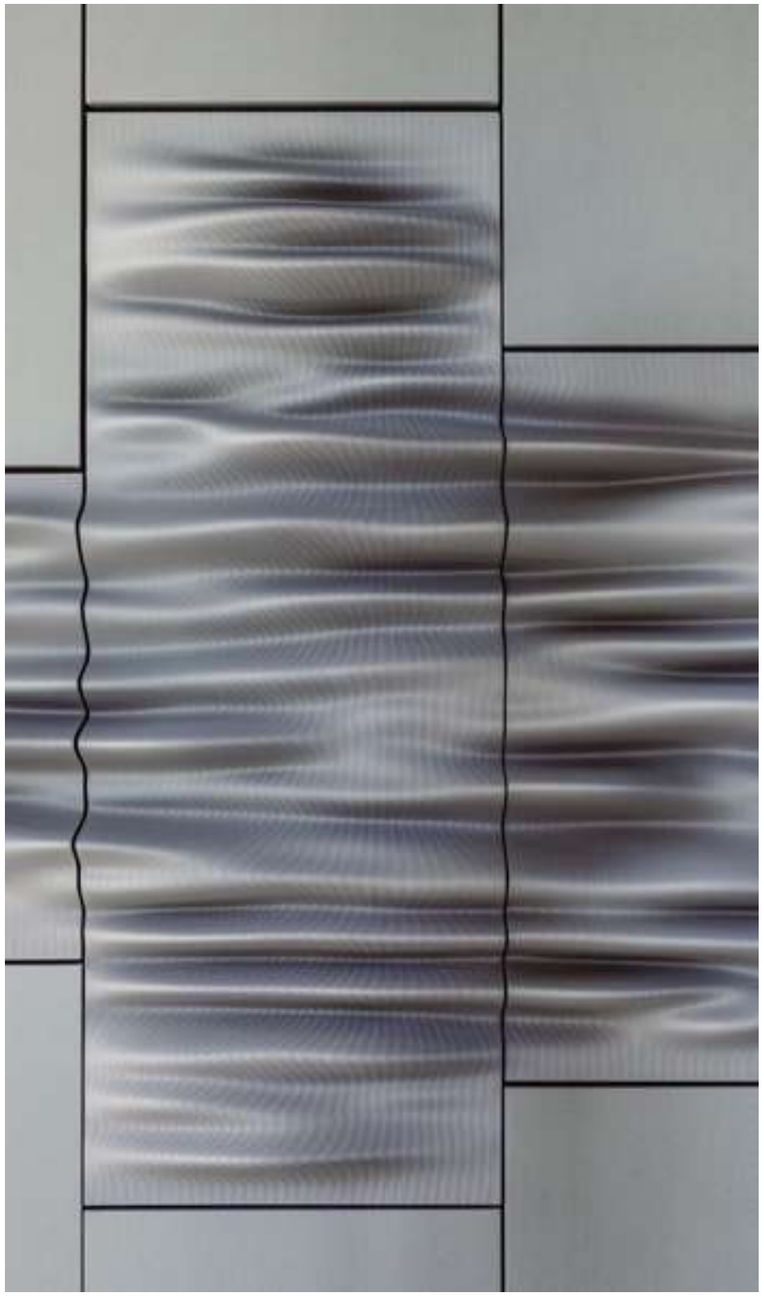
Horizontal

www.aectual.com/systems/soundwave-horizontal

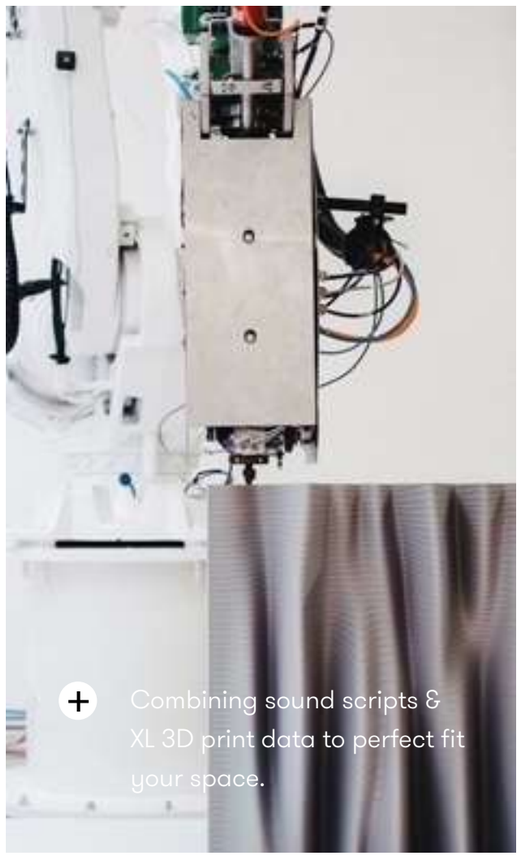


Acoustic diffusion wall panels
Soundwave . Horizontal system
By Gramazio Kohler Research / ETH

Acoustic diffusion wall panels
Soundwave . Horizontal system
Soundlab, ETH Zurich



Acoustic diffusion wall panels
Soundwave . Horizontal system
by Gramazio Kohler Research / ETH



Combining sound scripts &
XL 3D print data to perfect fit
your space.

Acoustic wall piece
Soundwave . Vertical
#327

Acoustic panels
Weave . Moiré system

Acoustic diffusion wall panels
Soundwave . Horizontal system

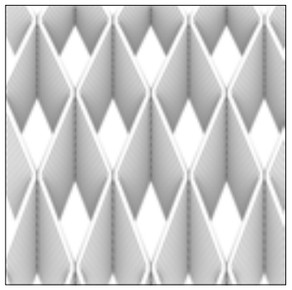
Flooring
Pattern Terrazzo . Durabella system
with recycled glass

Origami .

Wall panels, Acoustic, Furniture object

The panels of the Origami . system can bend in two directions, making them a perfect solution to clad curved or even double-curved surfaces. The semi-open panels are built up from flexible folds that are semi-open. Add our acoustically performative felt made from recycled PET for additional acoustical optimization. Use it as wall or furniture cladding and scale it to the exact dimensions of your space.

Products



Diamond

www.aectual.com/systems/origami-diamond

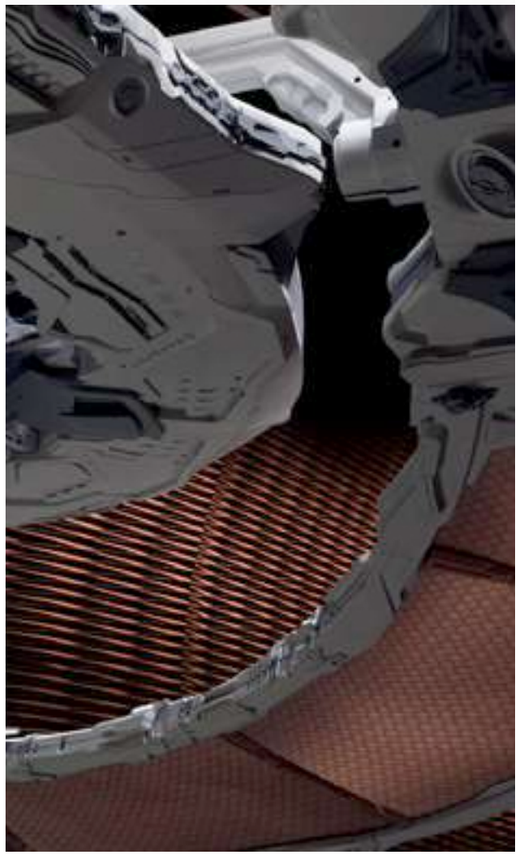
Double curved wall panels
Origami . Diamond system
Museum of the future Dubai

Double curved wall panels
Origami . Diamond system
Museum of the Future Dubai

Wall panels

Origami . Diamond . by Atelier Brückner

Museum of the Future Dubai

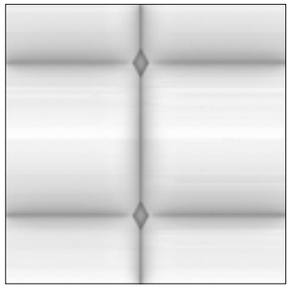


Block .

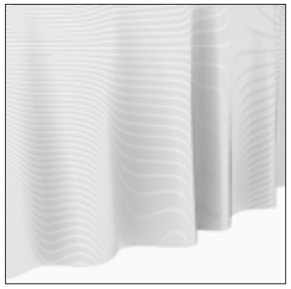
Wall panels, Furniture object

The Block . system is a versatile wall solution that can be used as a free-standing partition wall as well as a cladding panel. Its soft forms optimize acoustics and make a fun contrast with its solid surface. Use it to define enclosed meeting areas or as a statement freestanding divider. Customize to your required size and preferred color.

Product line



Pillow



Drape

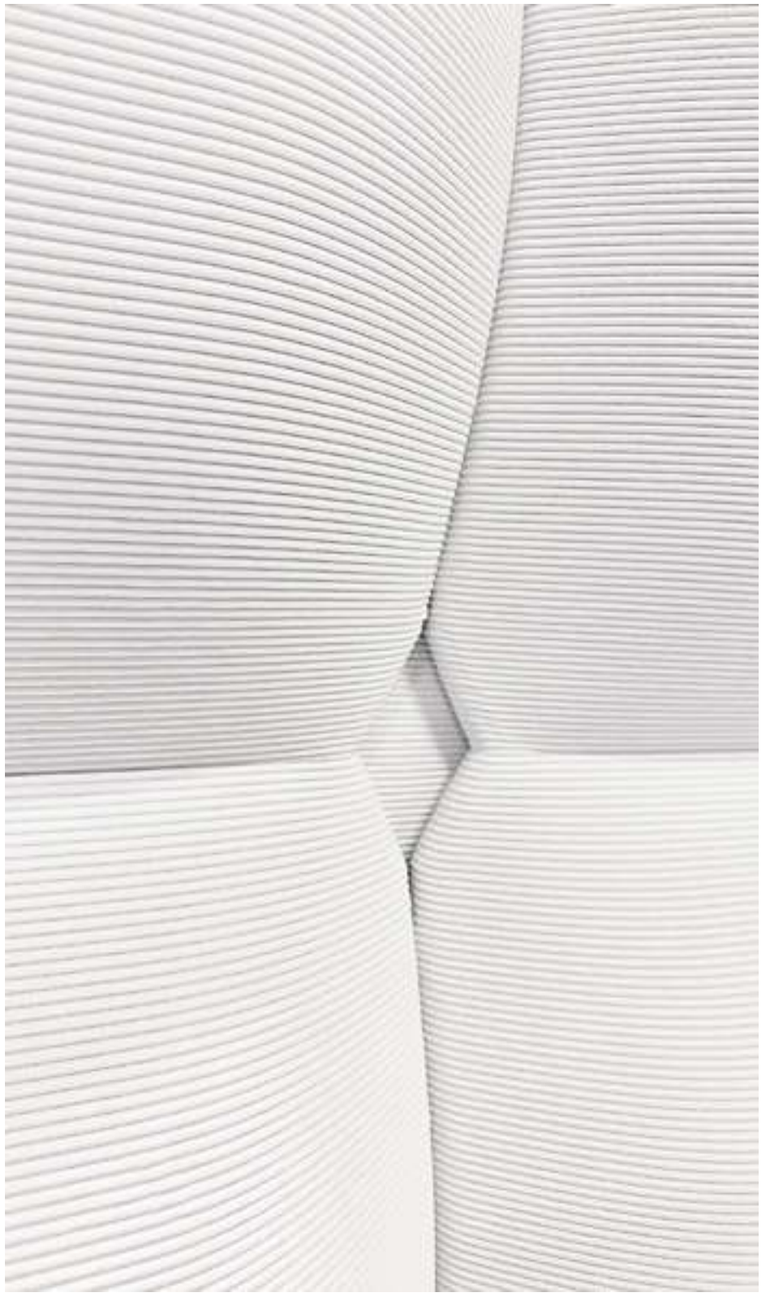
www.aectual.com/systems/block-pillow

Pop up wall
Block . Pillow system

Pop up space
Block . Pillow system

Pop up wall
Block . Pillow system

Object
Puf Pouf



Wall panel
Block . Pillow
Detail

Pop up space
Block . Pillow system

Pop up space

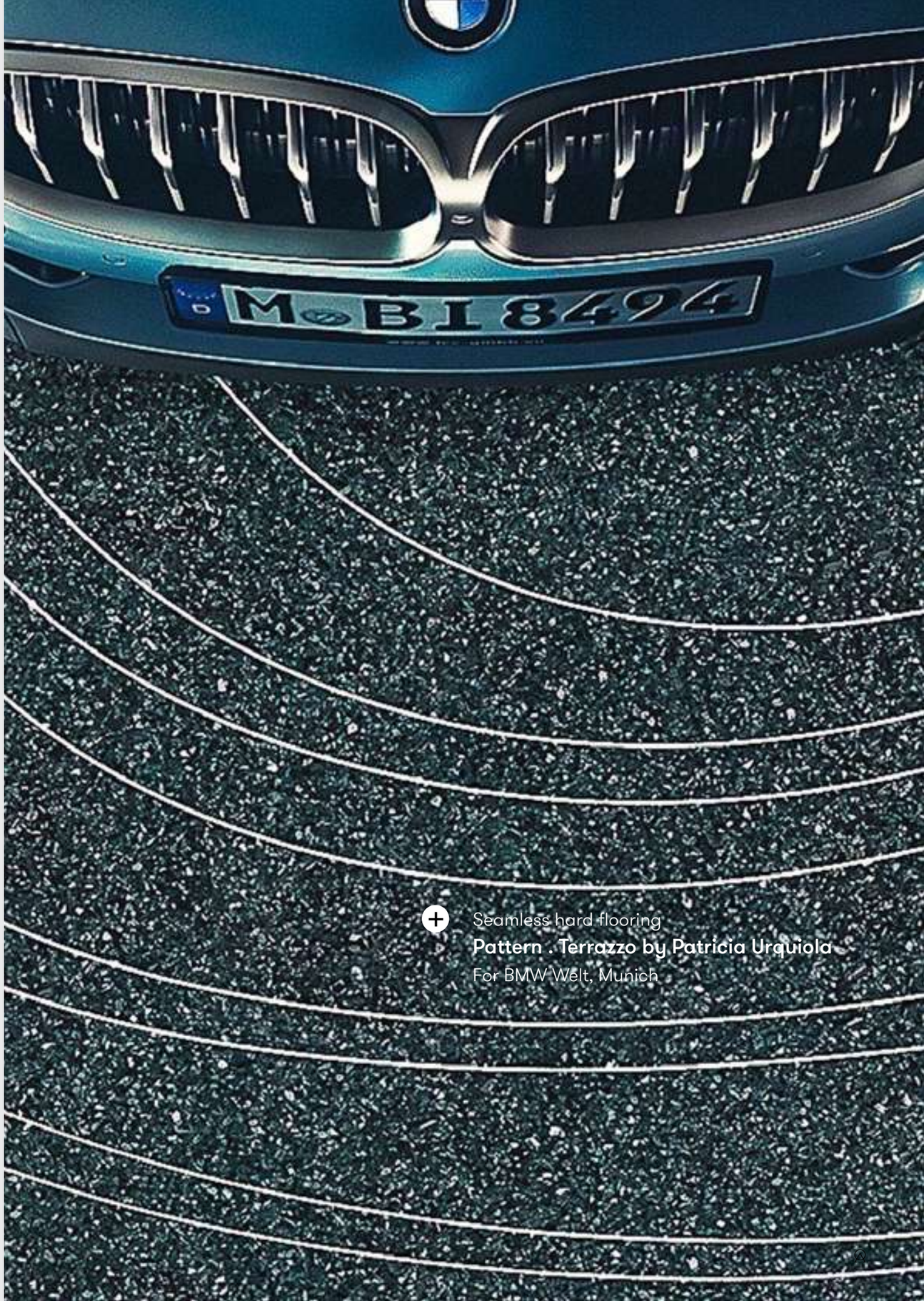
Block . Drape system

Flooring Solutions

Seamless hardfloor

Products: Pattern Terrazzo X Durabella

www.aectual.com/systems/pattern-terrazzo



Seamless hard flooring
Pattern . Terrazzo by Patricia Urquiola
For BMW Welt, Munich

Pattern Terrazzo X Durabella

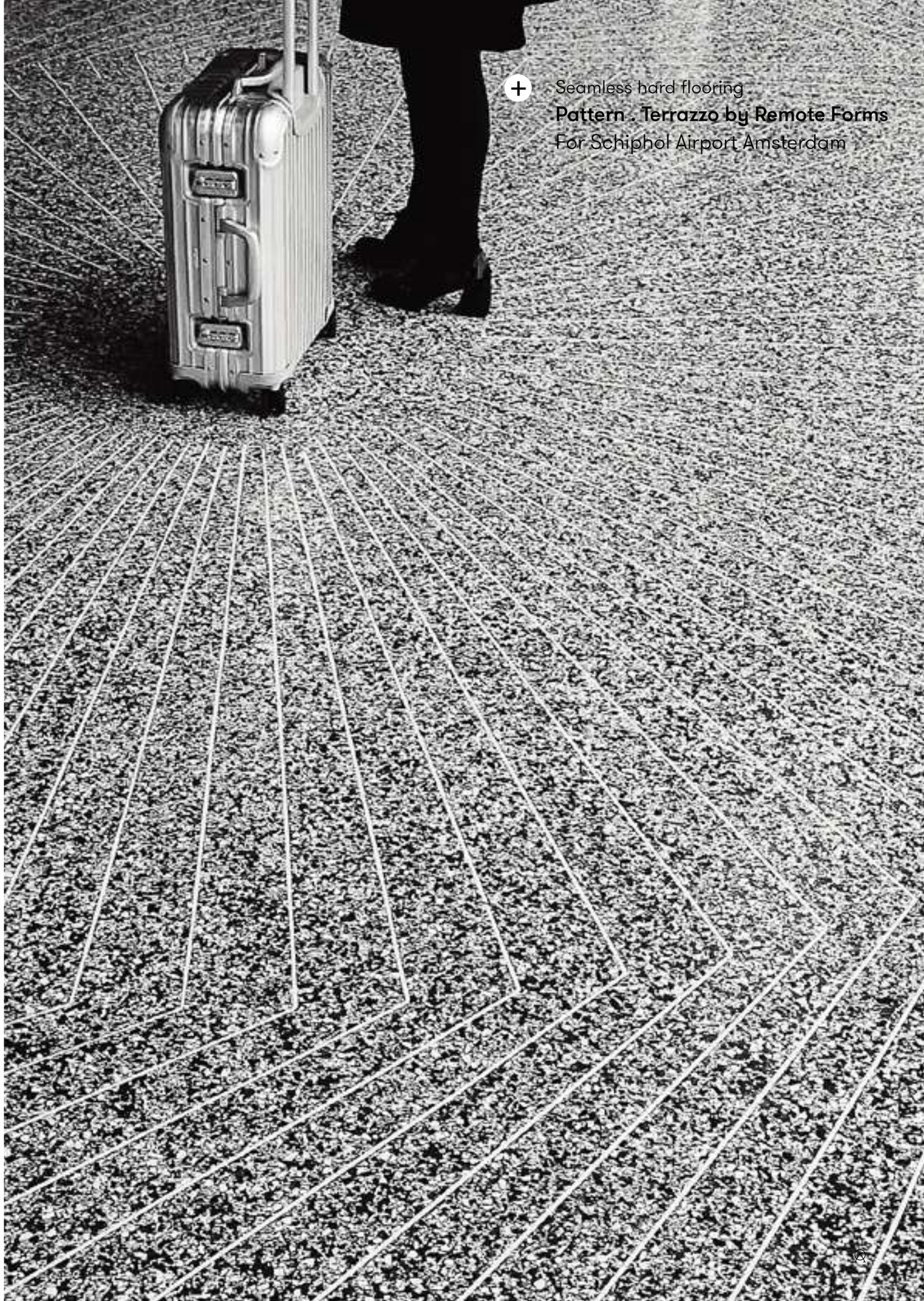
Flooring, Wall panels

This indoor floor combines unique 3D printed patterns with a bio-based terrazzo infill, resulting in a seamless floor with your own unique pattern. It offers endless opportunities to integrate storytelling into your flooring design. The floor is poured on-site, has better acoustic performance and crack resistance than conventional cement-based terrazzo, and is carbon negative.

Product line

Design your own pattern

www.aectual.com/systems/pattern-terrazzo



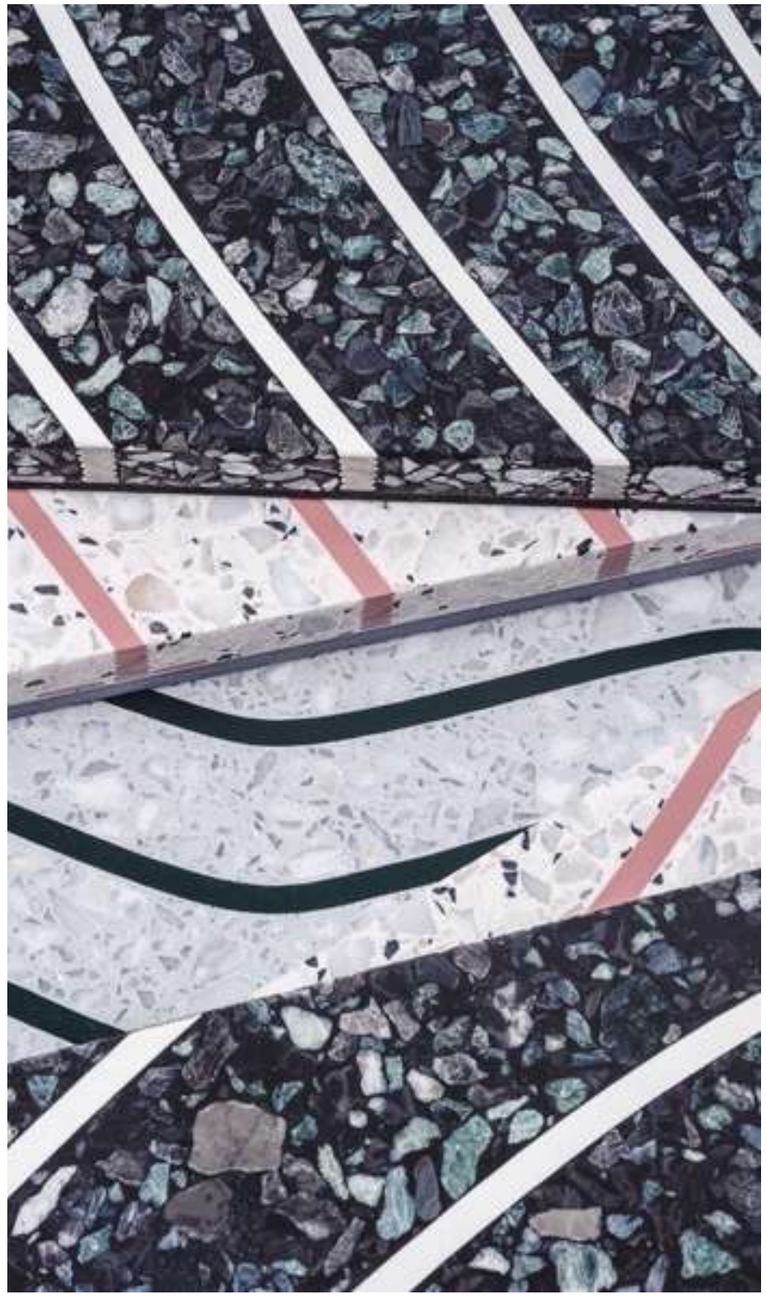
Seamless hard flooring
Pattern . Terrazzo by Remote Forms
For Schiphol Airport Amsterdam

Seamless hard flooring
Pattern . Terrazzo by Patricia Urquiola
For BMW Welt, Munich

Explore our color & **infill collection**

Mix & match the color of your pattern with the color of the terrazzo binder & aggregate to create a truly unique floor

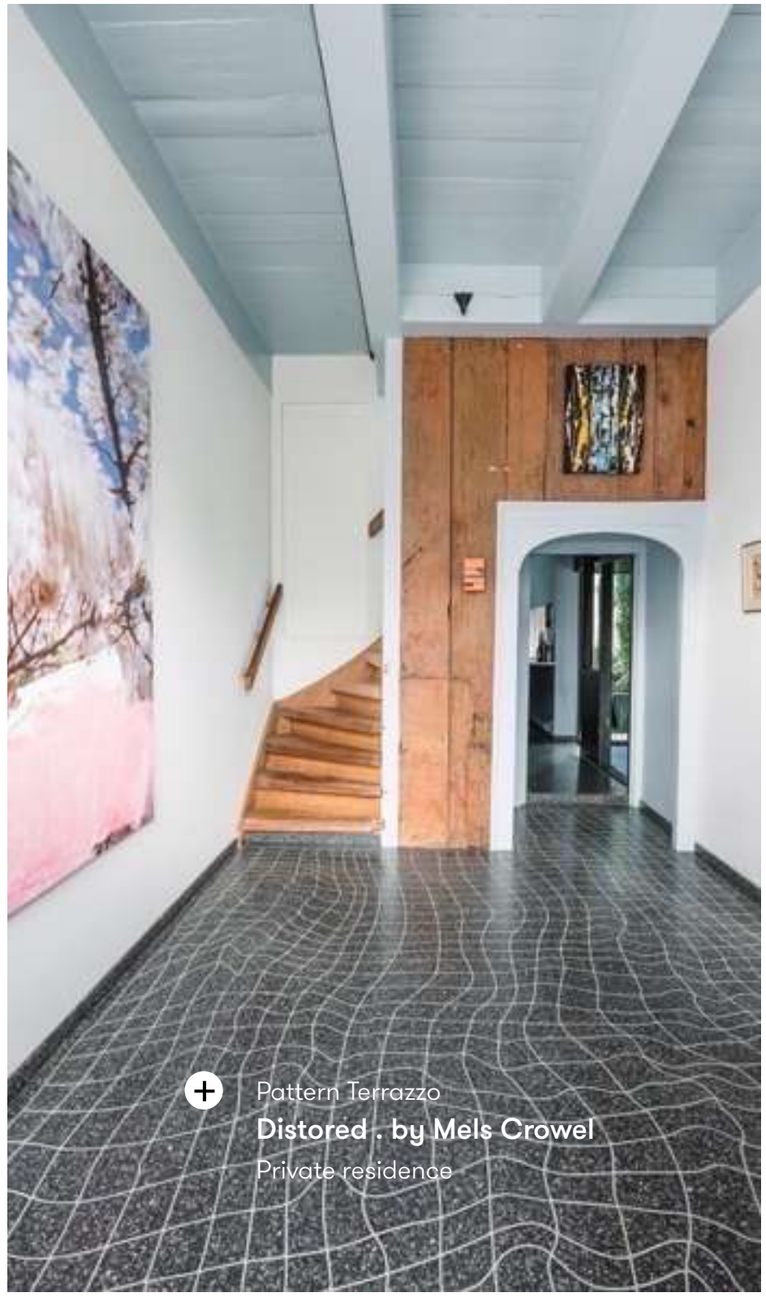
www.aectual.com/systems/pattern-terrazzo



Pattern Terrazzo
Wayfinding . by Remote Forms

Pattern Terrazzo
Japanse waves .
By Aectual Studio

Pattern Terrazzo
Detail



Pattern Terrazzo
Distored . by Mels Crowel
Private residence

Pattern Terrazzo
Tracks . by Nike design team
Flagship Store Dubai Mall

Pattern Terrazzo
Leafs . by Remote Forms
Schiphol Airport Amsterdam

Office Pod

Pattern . Terrazzo by Zaha Hadid Architects

For Tecno

Object
Wrap . Pleat
Phonebooth

Interior objects

Planters
Products: Wrap

Poufs
Products: Knit

Office phonebooths
Products: Wrap

Meeting rooms
Products: Wrap

www.aectual.com/objects

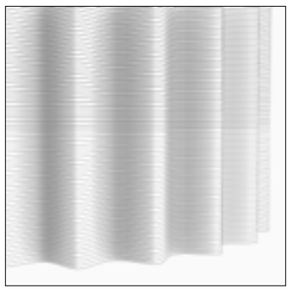
Column Planters

Interiors

Column Planters elevate every plant to become an iconic part of a space. Suddenly small plants can make a tree-like impression! Vary with several planters in height to create the perfect green addition to a space. Combine with our Wrap . system to match exactly with the textures of your walls.

Products

Pleat



Wave

www.aectual.com/objects/wrap-pleat-planter

Planters
Column . Pleat series

Planter
Column . Pleat
#551

Planter
Column . Pleat
#789

Wall piece
Crochet . Diamond
#164

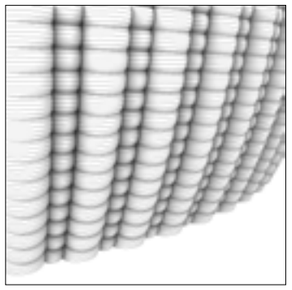
Planter family
Column . Pleat
#580

Puff Poufs

Interiors

From afar, the Puff Poufs remind somewhat of cacti, but these poufs are far more comfortable. They can be used as a seating element or coffee table and come in variable sizes that can be endlessly configured to taste.

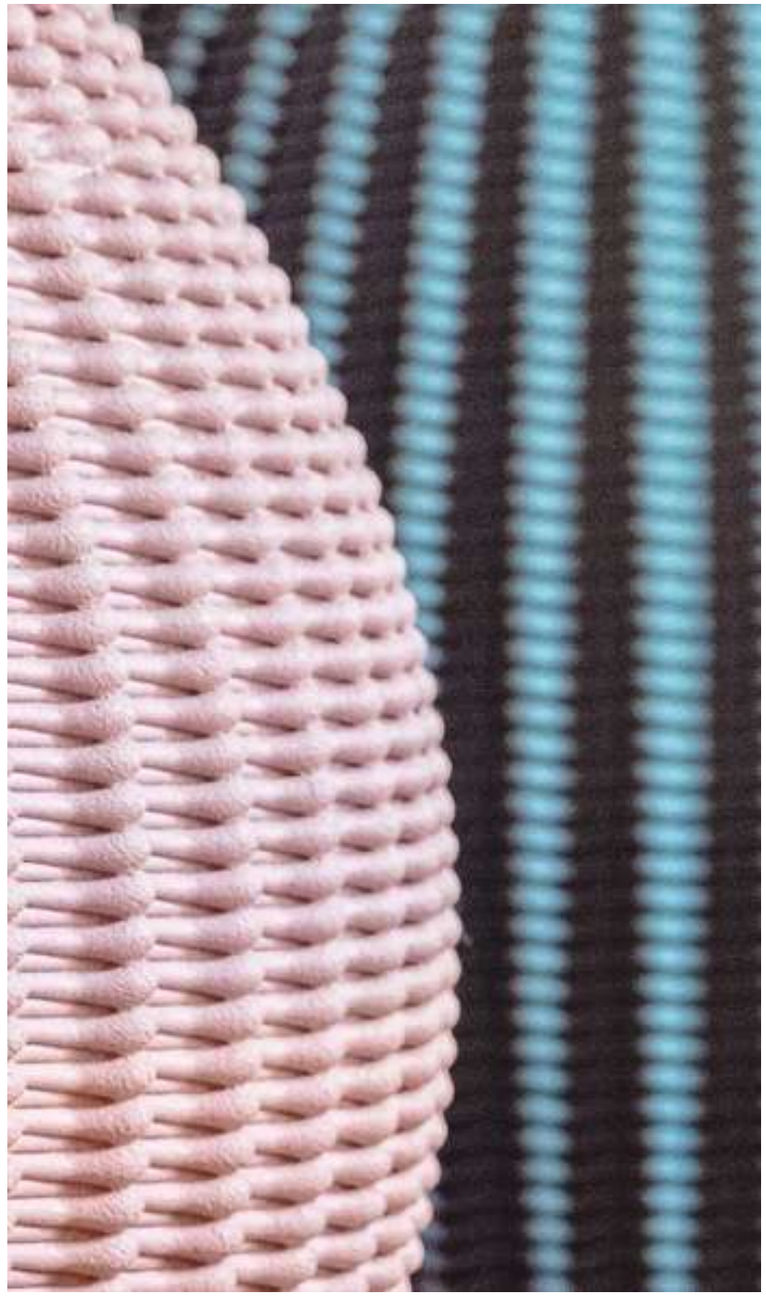
Product line



Knit

www.aectual.com/objects/puff-poufs

Pouf
Puff . Knit
#111



Room divider
Gradient . Curve
#003

Pouf
Puff . Knit
#111

Aectual Studio Solutions new product development

Temporary facades

Products: Wrap, Gradient

Sunshade canopies

Products: Gradient

Pavilions

Products: Wrap, Claustra, Block

New systems & objects

Create your own product line design variant or product

+ www.aectual.com

+ Temporary pavillion
Claustra . by Pragma architects
For UAE Government, Floriade '22

Temporary facade cladding
Weave . by Pragma architects
For UAE Government, Floriade '22

Temporary pavillion
Claustra . by Pragma architects
For UAE Government, Floriade '22

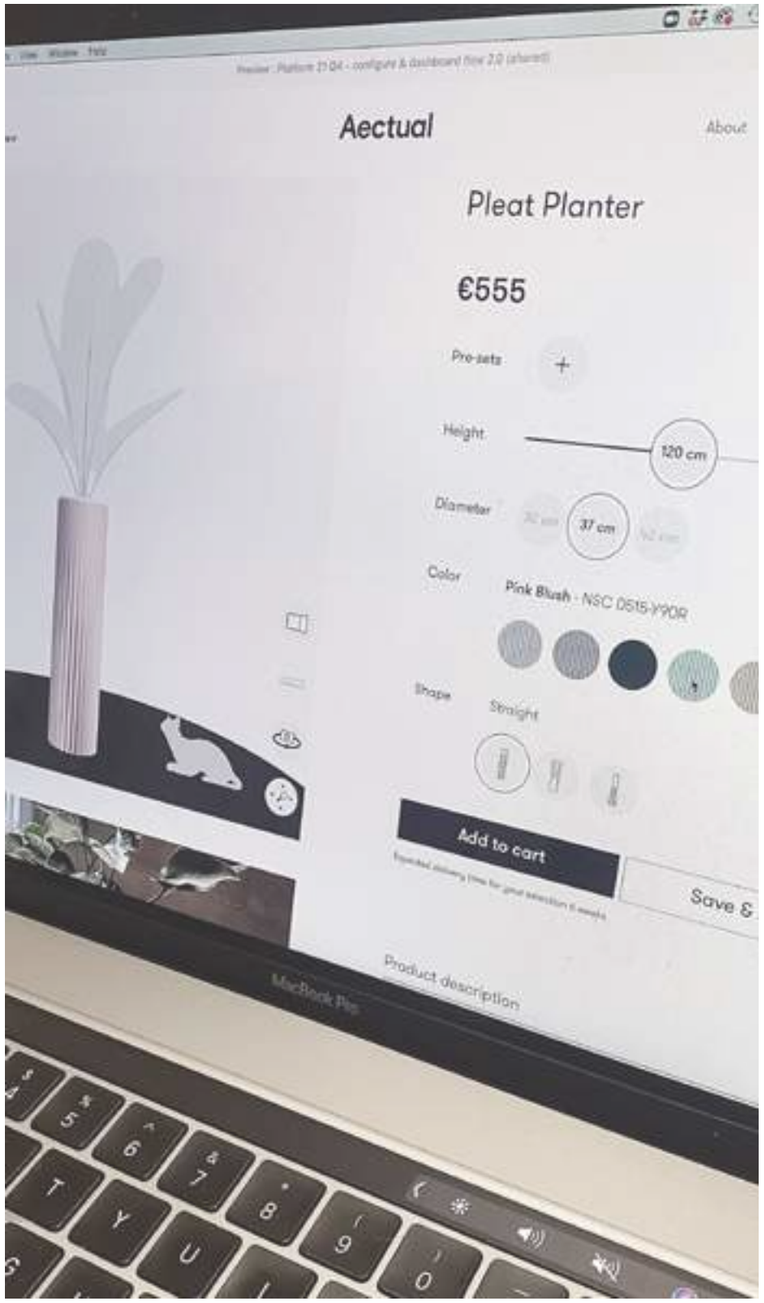
Sunroof
Gradient . by House of DUS
For Dutch Government

Temporary facade cladding
Wrap . Cannelure
For 100 year Bauhaus, Germany travels

\+ Temporary facade cladding

Wrap . by House of DUS

EU Building, for Dutch Government



Connect to our online tools & create your tailor-made solution

Check latest product updates & possibilities on our website

+ www.aectual.com

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Product Playbook