



kvadrat acoustics



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Client: Shanghai Library
Location: Shanghai, China
Architecture and design: Schmidt Hammer Lassen Architects
Solution: Soft Cells Aesthetic panels and Soft Cells Broadline panels on walls and ceilings
Photography: RAWVISION Studio



About Kvadrat Acoustics

Sustainable and aesthetic acoustic solutions for any space

At Kvadrat Acoustics, we create fully customisable, high-performance acoustic solutions characterised by aesthetic excellence and exceptional versatility, which are used to promote wellbeing in visionary architectural projects worldwide.

Our acoustic solutions set the benchmark for sustainability, flexibility and durability and reflect our dedication to push aesthetic and technological boundaries. And they leverage our acclaimed global network of specialists who offer end-to-end project support, from initial design stage to installation.

Kvadrat Acoustics Design Workshop
Location: Copenhagen, Denmark
Photography: Patricia Parinejad



Why acoustic comfort matters

As social creatures, our wellbeing depends on our ability to listen, talk, and be heard, free from disruptive noise. The quality of our acoustic environment determines the quality of our experience - whether it's collaborating at work, going out for a meal with friends, or enjoying the note of a cello at a concert.

The facts speak for themselves when it comes to the fundamental role good acoustics play in elevating comfort and productivity. They can improve task motivation by over 60% ¹ and the ability to focus on tasks by over 40% ². At the same time, they can also reduce stress levels by 27% ³, error rates by 10% ⁴ and conversational distractions by more than 50% ⁵.

Furthermore, by providing a palette of rich colours and tactile textures, our acoustic solutions also enable you to accentuate visual comfort. Consequently, they offer virtually limitless opportunities for creating life-enriching spaces characterised by acoustic and aesthetic excellence.

¹ Evans, Johnson, Cornell university, "Stress and open office noise", Journal of Applied Psychology, 2000, vol. 85, no. 5, 779-783

² David M. Sykes, Ph.D., "Productivity: How Acoustics Affect Workers' Performance In Offices & Open Areas"

³ David M. Sykes, Ph.D., "How Acoustics Affect Human Productivity"

⁴ David M. Sykes, Ph.D., "Productivity: How Acoustics Affect Workers' Performance In Offices & Open Areas"

⁵ David M. Sykes, Ph.D., "How Acoustics Affect Human Productivity"

Client: Amorepacific HQ
Location: Seoul, South Korea
Architecture and design: David Chipperfield Architects
Solution: Soft Cells Broadline panels on walls
Photography: Raphael Olivier

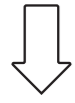


Client: House of Wisdom
Location: Sharjah, United Arab Emirates
Architecture and design: Foster + Partners
Solution: Soft Cells Broadline panels in the ceiling
and Tracks on walls
Photography: White Cube Studios

Sustainability

Our commitment

Our approach to sustainability is grounded in a commitment to reduce, reuse, and recycle. And it relies on an ecosystem that prioritises resource efficiency, transparency, and circularity.



Reduce

- Due to a patented tension mechanism and high-quality components, our solutions stay pristine for years
- Our solutions integrate recycled and recyclable materials reducing the use of virgin materials



Reuse

- Soft Cells panels are designed to be reupholstered and reused
- Soft Cells panels are designed to be easy to re-situate



Recycle

- Designed for easy disassembly into recycling streams: Metal, Textile and Mineral wool
- Constructed without glue or hard-to-recycle materials

Discover our latest improvements in sourcing recycled material for our solutions, and learn more about our sustainability efforts [here](#).



Green building certifications

Kvadrat Acoustics solutions follow our Conscious Design Principles to maximise their circular potential while reducing our dependence on virgin materials and resources. Reflecting a commitment to reduce, reuse, and recycle, they support the transition to decarbonised building design by contributing to green building certifications such as DGNB, LEED, BREEAM, and WELL.

Explore how our solutions contribute to green building certifications [here](#).

Client: XFEL
Location: Hamburg, Germany
Architecture and design: Blunck + Morgen Architects
Solution: Soft Cells Broadline panels on walls
Photography: Ed Reeve



Our solutions

Any acoustic need. Any expression. Any wall or ceiling

Whatever your design vision, acoustic requirements, and space-specific considerations, you can specify a Kvadrat Acoustics solution that meets your every need. You get total creative freedom when you specify a Kvadrat Acoustics solution – and a comprehensive choice of textiles pre-tested for acoustic performance.

- Pre – or post-fit
- Every freeform shape possible
- Virtually any textile expression possible
- Over 200 textile colours
- Seamless integration of technical service products
- End-to-end local service
- Backed by a unique design ecosystem



Top
Client: Bang & Olufsen
Location: London, UK
Solution: Soft Cells Ultra Broadline panels
Photography: Bang & Olufsen

Bottom
Client: Amorepacific HQ
Location: Seoul, South Korea
Solution: Soft Cells Broadline panels
Photography: Raphael Olivier

Our solutions

Seamless integration

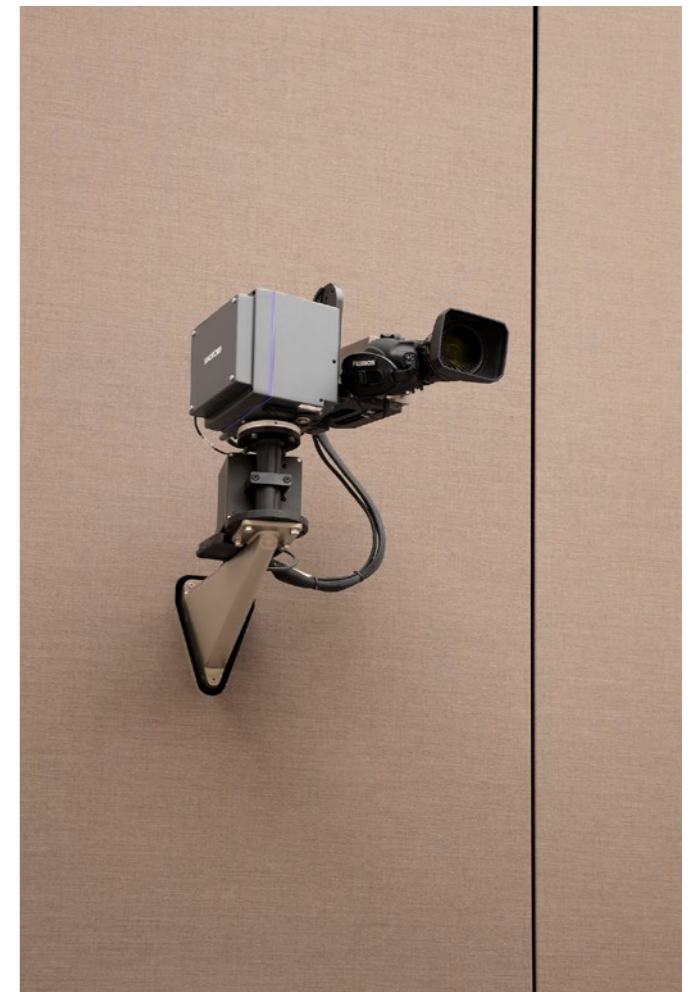
Kvadrat Acoustics solutions offer seamless integration of building service products and unify disparate M&E systems through standardisation, addressing common aesthetic and practical challenges. Custom integrations with fixings and cut-outs can be incorporated into a Kvadrat Acoustics solution, offering unparalleled design versatility



Top
Client: Novartis
Location: Copenhagen, Denmark
Solution: Fixtures in Soft Cells Broadline panel in the ceiling
Photography: Ed Reeve

Bottom left
Client: International Criminal Court
Location: Hauge, Netherlands
Solution: Door handle cut out in Soft Cells Broadline panel
Photography: Ed Reeve

Bottom right
Client: International Criminal Court
Location: Hauge, Netherlands
Solution: Video camera cut out in Soft Cells Broadline panel
Photography: Ed Reeve



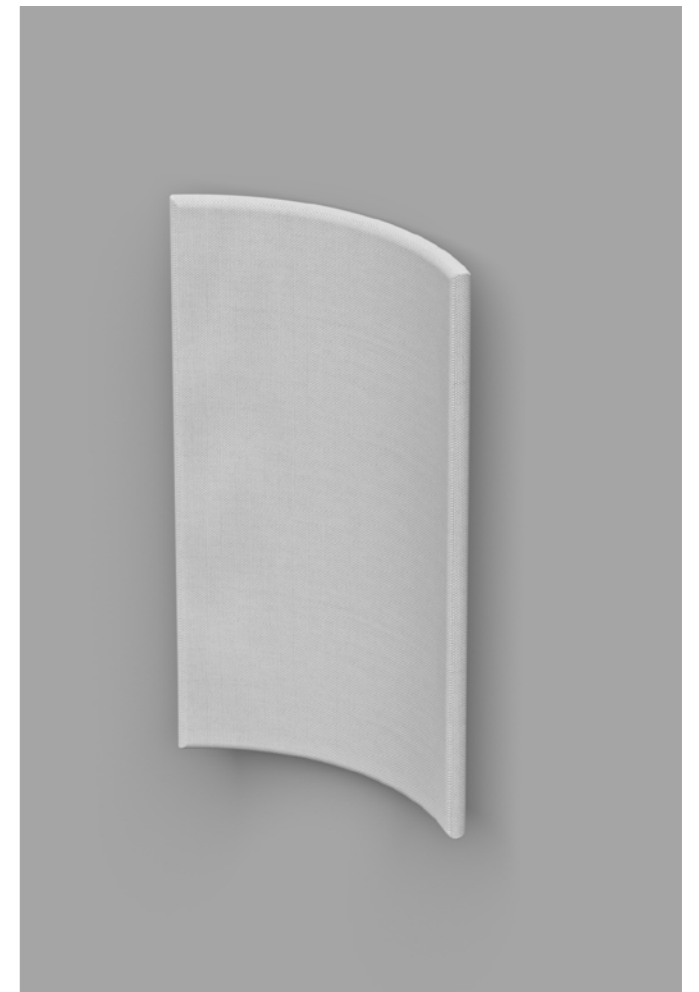
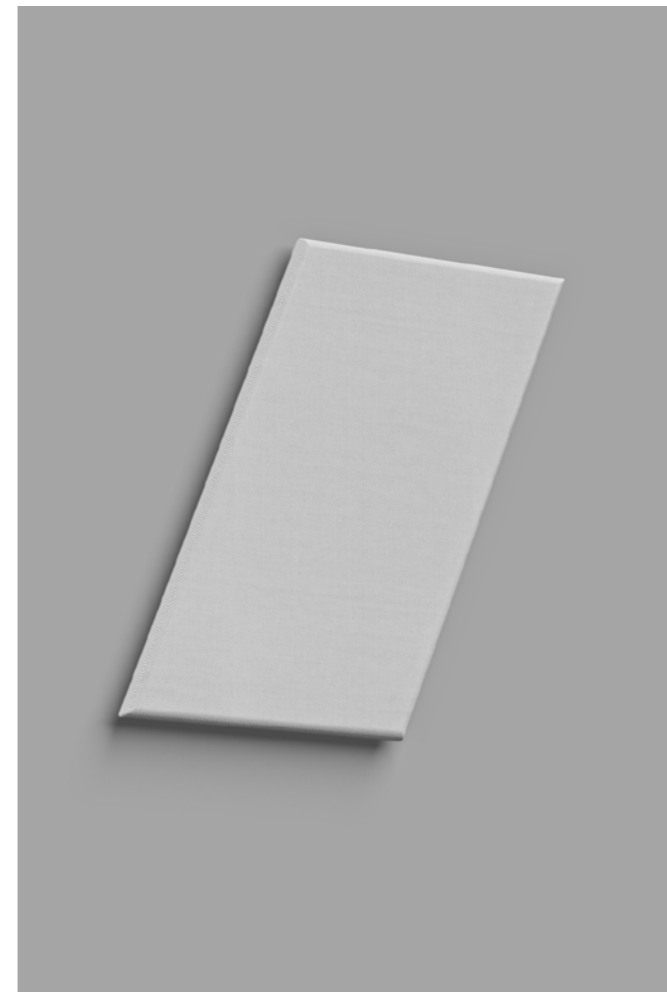
Our solutions

Product Specifier

Create optimal solutions for your project by combining applications, shapes, and acoustic functions. Kvadrat Acoustics solutions offer you seamless integration and design flexibility to bring your vision to life.

By using the Product Specifier, you can find a Kvadrat Acoustics solution tailored to your project. The Product Specifier will present possibilities and limitations of the requested solution.

Try the Product Specifier [here](#)





Our solutions

Outstanding longevity. Exceptional ROI

Due to a patented mechanism and premium quality components, our solutions last for years. To add to their longevity, you can reupholster them whenever required. Consequently, our solutions deliver exceptional ROI.

- Market-leading 10-year warranty
- Unaffected by heat and humidity
- Simple to reinstall and reupholster





Our solutions

Global network. End-to-end local support

We tailor our service to your project when you choose a Kvadrat Acoustics solution. Our team offers expertise in design and architecture and combines local insights with the efficiencies of a global network. They are happy to provide advice at every project stage.

- Installation
- Acoustic advice
- Installer training
- Computational design
- Guidance on specifications
- Assistance with selecting textiles
- Regulations and budget optimisation



Client: 25H Hotel
Location: Dubai, United Arab Emirates
Architecture and design: Woods Bagot
Solution: Soft Cells Broadline panels with HD printed artwork on textile in the ceiling.
Artwork by Dominik Bulka
Photography: White Cube Studios

Guiding you towards your vision

Define acoustic needs

As we offer a market-leading choice of specification possibilities, you can specify a solution that perfectly meets the specific acoustic requirements of your project.

- Our team offers acoustic advice
- Wide selection of Kvadrat textiles pre-tested for acoustic performance
- Comprehensive selection of acoustic panels, which ensure you can meet every acoustic need

Discover more about [acoustics](#)

Select textile

Kvadrat Acoustics solutions offer a comprehensive selection of Kvadrat textiles. They are all tested for sound absorption according to EN ISO 354.

- Complete selection of colours, textures, and styles
- Designed by some of the world's best designers, architects, and artists
- Our team can help you to identify the designs that best meet your vision
- We perform fire tests on our solutions according to different local regulations

Explore [textiles](#)

Specify geometry

You can specify our acoustic panels in any freeform or geometric shape – for any wall or ceiling.

- Circular, triangular, concave, and convex constructions are all possible
- Choose between pre-fit and post-fit
- Integrate with complementary solutions, if desired

Explore [geometries](#)

Choose installation

You can install on any surface with our solutions. Furthermore, we can supply pre-fabricated Soft Cells panels or on-site installation with Tracks.

- Fit any design vision or specification need
- Meet the fire and building regulations
- Our acoustic solutions can be installed by our global network of trained professionals

Discover more about [installation](#)

Tracks

Acoustic wall panel systems

Tracks by Kvadrat Acoustics provide an aesthetically pleasing acoustic solution installation to wall finishes and offer flexibility with on-site fabricated installation. Tracks can be used on walls as part of an overall Kvadrat Acoustics solution.

Tracks fit seamlessly to any design concept due to the versatility of the panels size and shape, and the wide selection of Kvadrat textiles they are available in. Tracks offer Class C to Class D broadband sound absorption as per ISO 11654 and EN ISO 354.

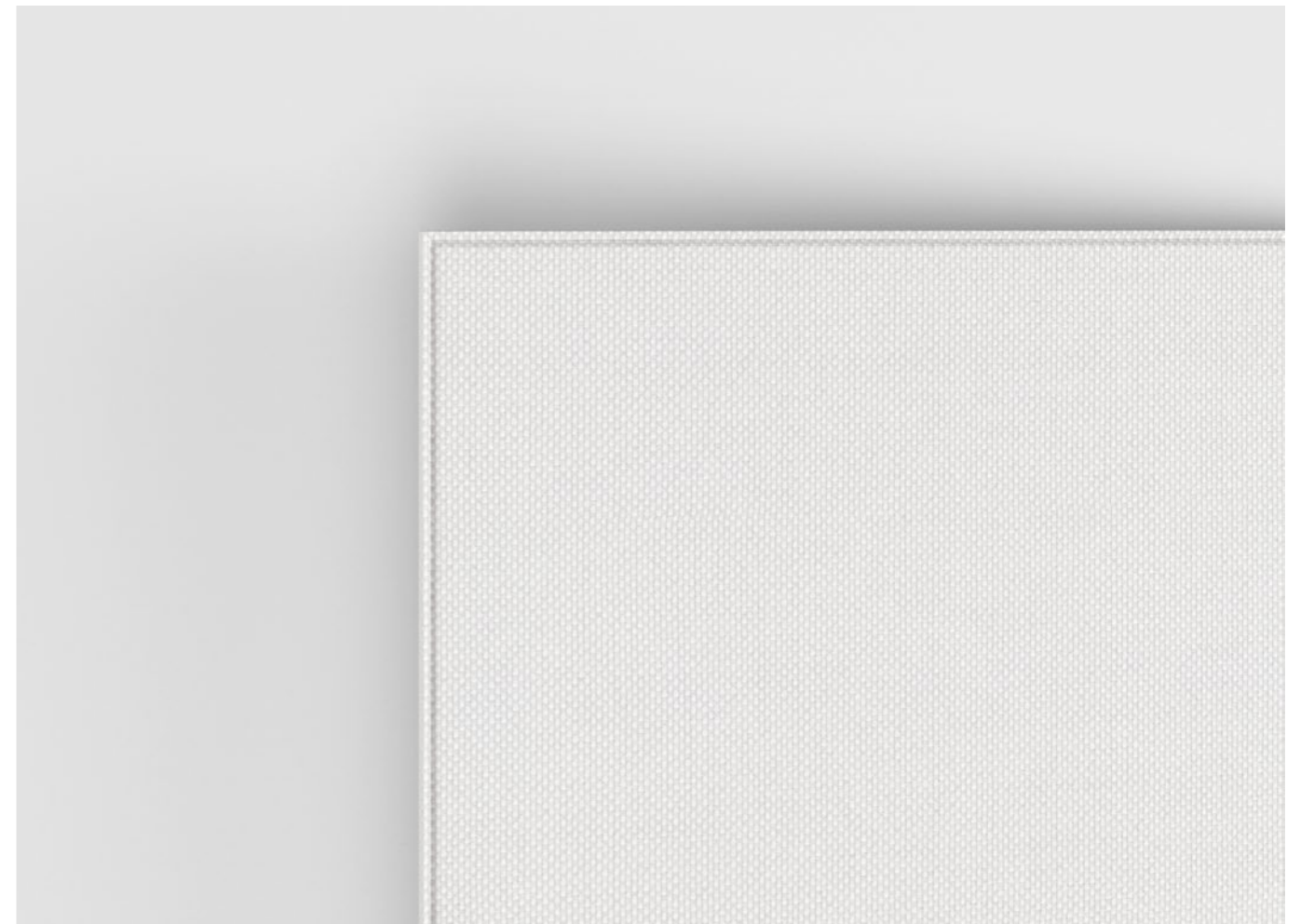
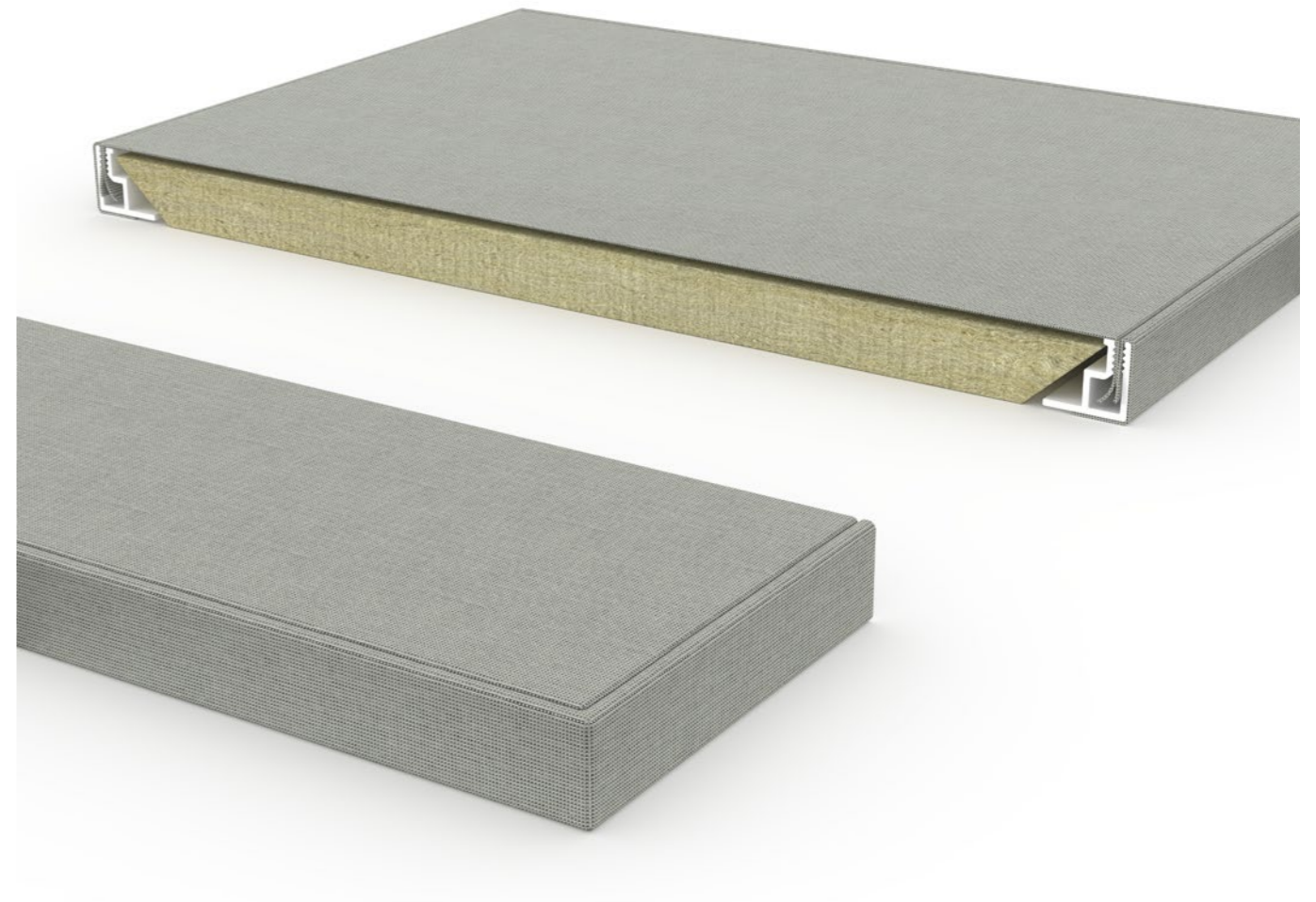
Flexible installation

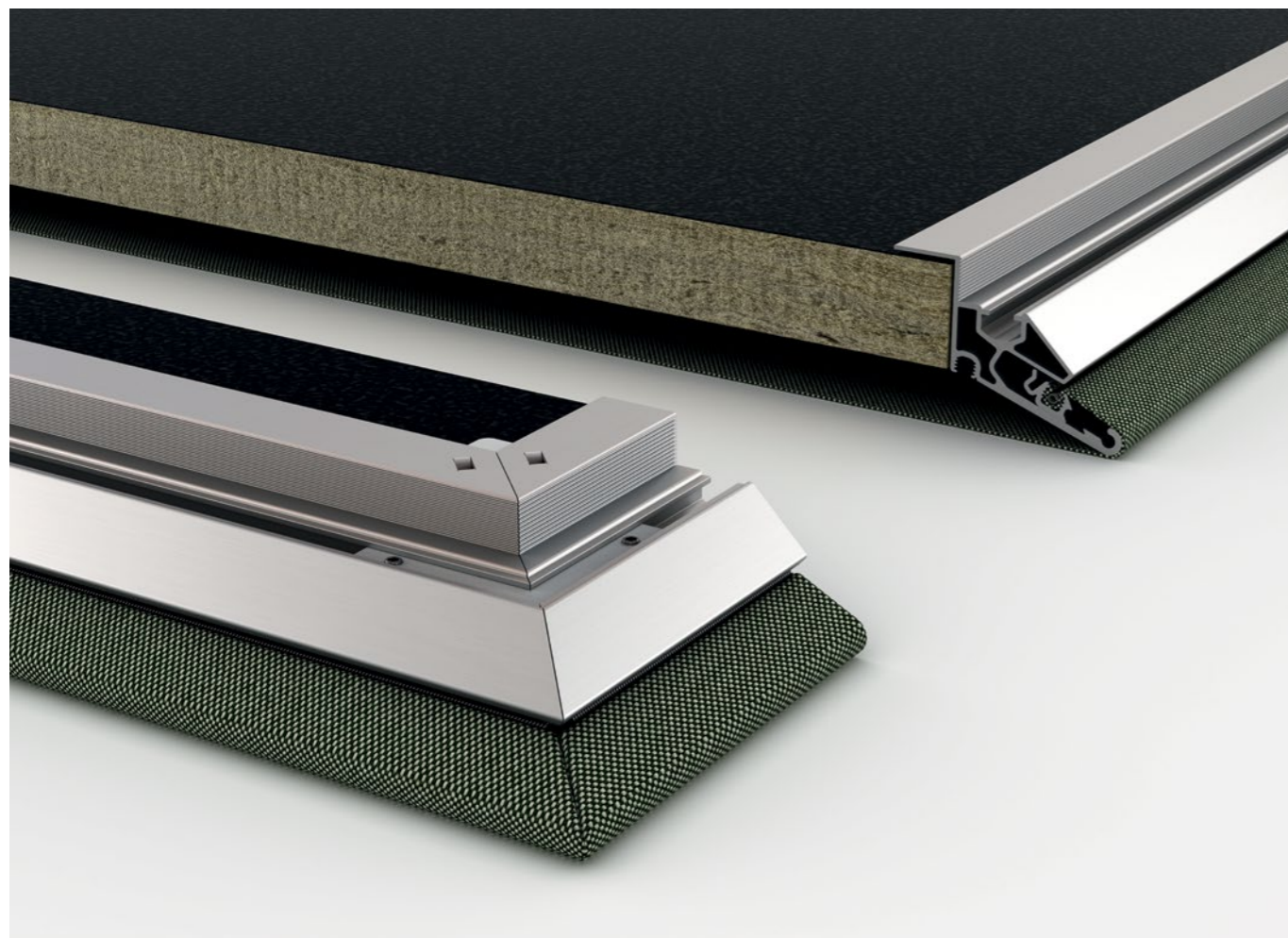
Tracks are installed by our local teams of trained professionals, who can advise on the mounting and necessary substrate for our solutions. If required, adjustments can easily be made before installation to suit updated measurements or needs.

Product features

- Depth of 23mm
- Suitable for wall use
- Flexible and easily adjustable during installation
- The frame is made of PVC-free material
- Excellent noise reduction
- Structurally rigid

Discover more about [Tracks](#)





Soft Cells

Acoustic ceiling- and wall panel system

Soft Cells by Kvadrat Acoustics are custom-built panels that incorporate acoustic padding behind a textile layer. Soft Cells can be installed on walls and ceilings with a variety of flexible installation methods. They fit seamlessly to any design concept due to the versatility of the panels size and shape, and the wide selection of Kvadrat textiles they are available in.

Soft Cells offer Class A to Class E broadband sound absorption as per ISO 11654 and EN ISO 354.

Soft Cells panels can be installed by our global network of trained professionals who can advise on the installation possibilities.

Product features

- Depth of installation: Min 55 mm
- Length: Min. 200 mm
- A patented tensioning mechanism
- End caps create a polished look
- Folds and creases around corners are eliminated by a special insert

Discover more about [Soft Cells](#)



Soft Cells

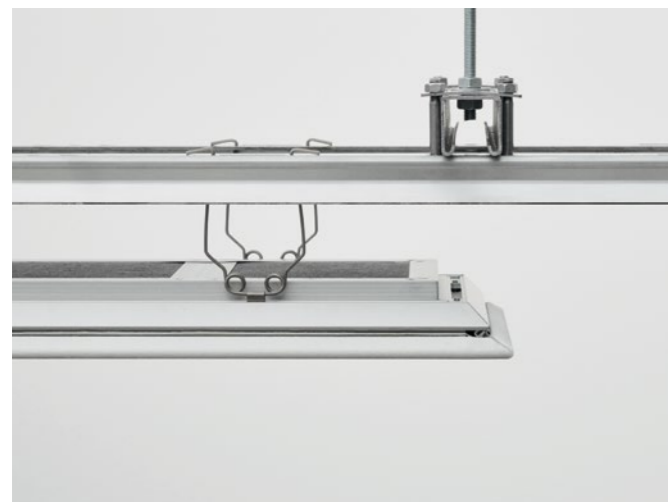
Flexible installation

You get a versatile choice of installation systems for walls and ceilings with custom-built Soft Cells panels: Magnet Mounting, Flex Magnet Mounting, Steel Wire Suspension, Hinge/Push latch ceiling suspension, Torsion spring and Linear magnet.

Whatever installation system you choose, the frames are detachable. Consequently, you can gain easy access to building services without having to remove the panel fully.

Torsion spring suspension

Used in modular suspended ceiling layouts with a minimum of 155 mm between front of panel and installation surface. Provides easy access behind panels by allowing for quick release and hinging of individual panels and does not require safety wires.



Torsion spring suspension

Steel wire suspension

For suspended ceilings with minimum 110 mm between front of panel to installation surface. Ideal when extra space is required between panels and ceiling structure.



Steel wire suspension

Magnet mounting

For walls and ceilings as an adjustable solution with 55 mm between front of panel and installation surface.



Magnet mounting

Hinge/push latch suspension

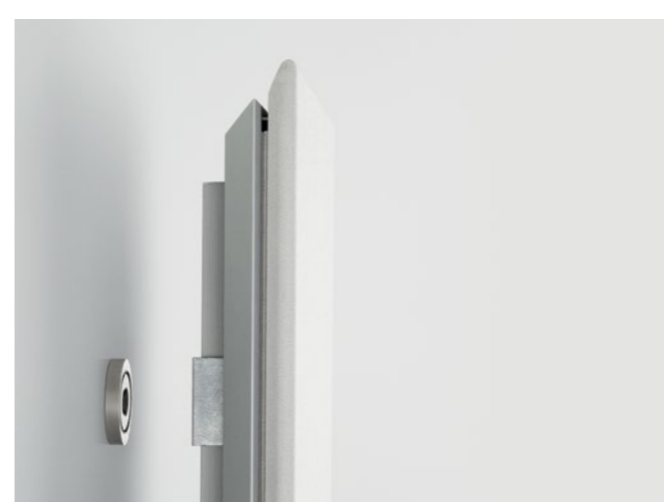
For ceilings and walls with 55 mm between front of panel and installation surface. Allows for access behind panel without the need for deinstallation or safety wires.



Hinge/push latch suspension

Flex magnet mounting

For walls and ceilings as an adjustable solution with 55 mm between front of panel and installation surface. Flex magnets are placed with an offset from panel edge to limit visibility of fixing.



Flex magnet mounting

Linear magnet mounting

For ceilings and walls with 55 mm between front of panel and installation surface. Linear magnet includes a slide stop functionality and provides an easy process for positioning panels.



Linear magnet mounting

Integrated solutions

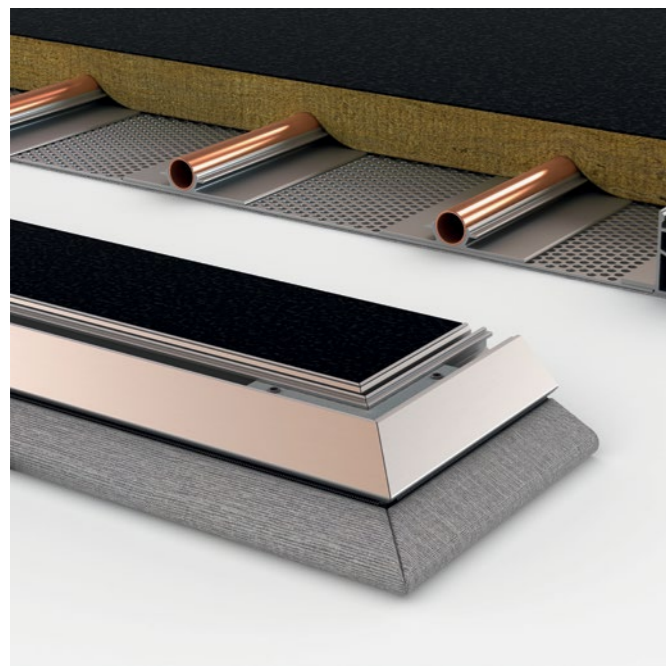
Kvadrat Acoustics solutions seamlessly integrate a suite of complementary products developed in collaboration with Lindner PARC. These products bring Kvadrat Acoustics offering to a new level that enables seamless integration of acoustics, climate control, and harmonized building services.

Weave Radiant Textile Panels

Weave Radiant Textile Panels by Lindner PARC are patented textile panels that control thermal comfort. They achieve this by incorporating water pipes that heat and/or cool a radiant surface behind a tensioned textile.

Node

Node seamlessly integrates disparate M&E systems via standardisation, solving a typical aesthetic and practical challenge for architects.



Weave Radiant Textile



Node



Client: Luxottica HQ
Location: Milan, Italy
Architecture and design: Park Associati
Solution: Custom Kvadrat Acoustics solution integrating Weave Radiant Textile Panels, covered in *Casa alu*, a custom performance textile.
Photography: Lorenzo Zandri and Andrea Martiradonna

Kvadrat Acoustics Textile Collection

The Kvadrat Acoustics Textile Collection brings together unique aesthetic designs that can complement various interior styles and meet specific technical requirements for buildings.

The collection features a variety of surfaces with different characteristics, from smooth and clean to textured and visually striking.

The collection offers warm wood-like shades that can create contrast with materials like concrete, steel, and glass in interior settings. Additionally, there are colder tones like greys and whites, which contribute to a sleek and clean aesthetic.

View full collection and colours [here](#)







Client: Artist Miriam Bäckström, AKG Art Museum Buffalo
Location: Buffalo, USA
Architecture and design: OMA North America, in collaboration
with Studio Miriam Bäckström
Solution: Kvadrat Acoustics solution featuring a textile artwork
stretched across concave Soft Cells Broadline panels, installed
with custom corner brackets.
Photography: Jeff Mace



Client: Artist Nanna Debois Buhl, commissioned by
Novo Nordisk Foundation for Steno Diabetes Center Aarhus
Location: Aarhus, Denmark
Architecture and design: KPC, LINK Arkitektur, Sweco and SLA
Solution: Soft Cells Aesthetic panels with bespoke artwork
textile on walls
Photography: Brian Buchard

Ojas Listening Room at USM Modular Furniture New York, USA

Architecture / design

Devon Turnbull and USM Modular Furniture

The project

Sound guru and designer Devon Turnbull – aka Ojas – has chosen a Kvadrat Acoustics solution for an installation named *Ojas Listening Room* at USM Modular Furniture. The work, commissioned by furniture brand USM, offers visitors to their Soho showroom an acoustically optimised space where they can completely immerse themselves in high-fidelity music from a hand-built sound system.

To realise the project, Devon Turnbull worked closely with the Kvadrat Acoustics US team, USM, and expert acoustician Ethan Bourdeau. Together, they have created a calming environment where people can contemplate music in its purity, liberated from the disruption of outside noise.

Devon Turnbull selected Kvadrat Acoustics as a project partner because he wanted *Ojas Listening Room* at USM Modular Furniture to offer outstanding acoustic and aesthetic quality. The work integrates shelving from USM, and the Kvadrat Acoustics panels deliver a comparable fit, finish, and high-design look.

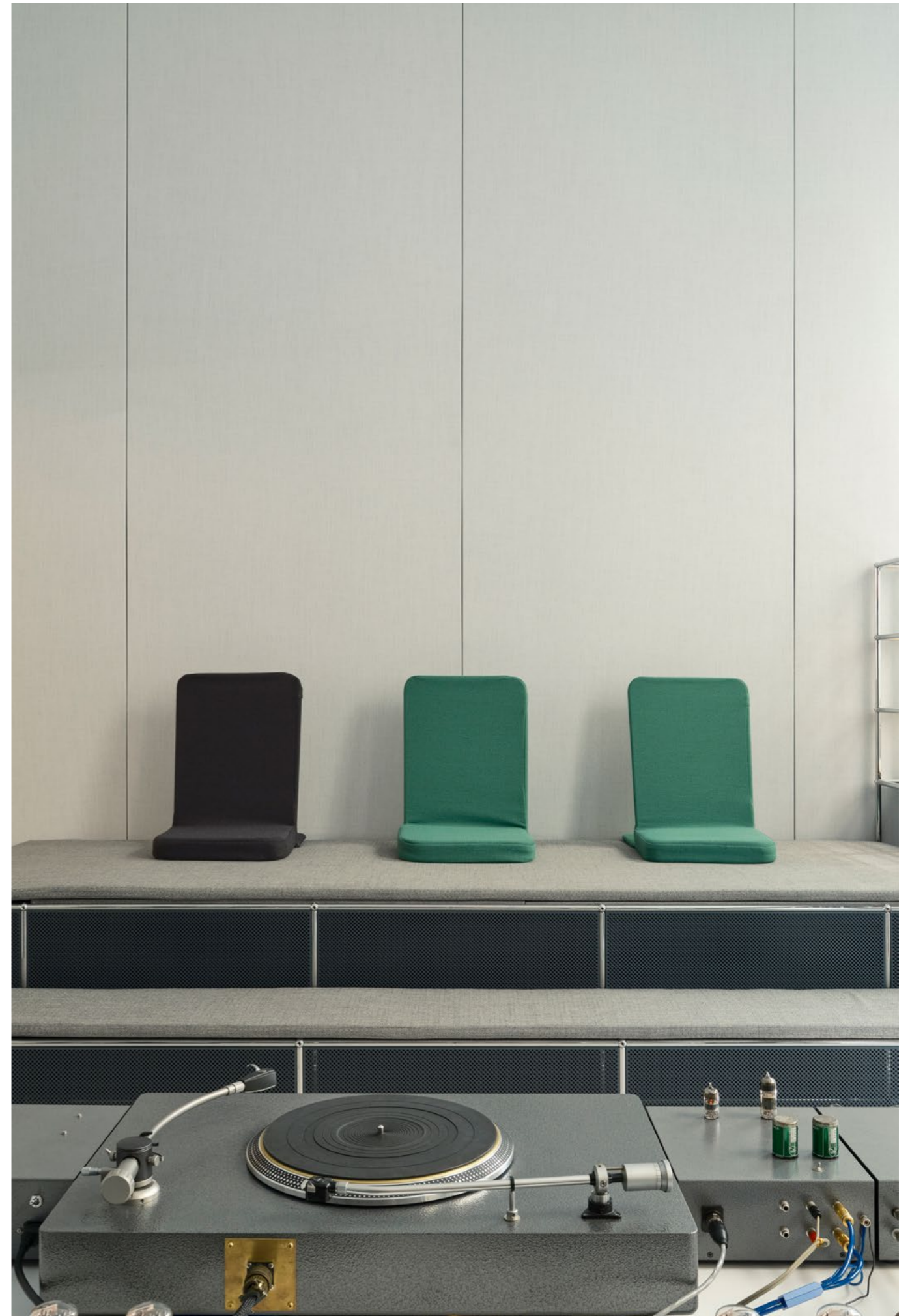
Solution

Ojas Listening Room at USM Modular Furniture integrates Soft Cells Broadline panels and Tracks on walls.

Photography

Lauren Coleman





Others Will Know by Miriam Bäckström Buffalo, USA

Architecture / design

OMA North America, in collaboration with Studio Miriam Bäckström

The project

Artist Miriam Bäckström has used a ground-breaking Kvadrat Acoustics solution to tension and stage a specially commissioned woven tapestry artwork. Entitled *Others Will Know*, the expansive piece runs along the curved walls of the lobby at the Buffalo's AKG Art Museum in upstate New York where it greets visitors and optimises acoustic quality.

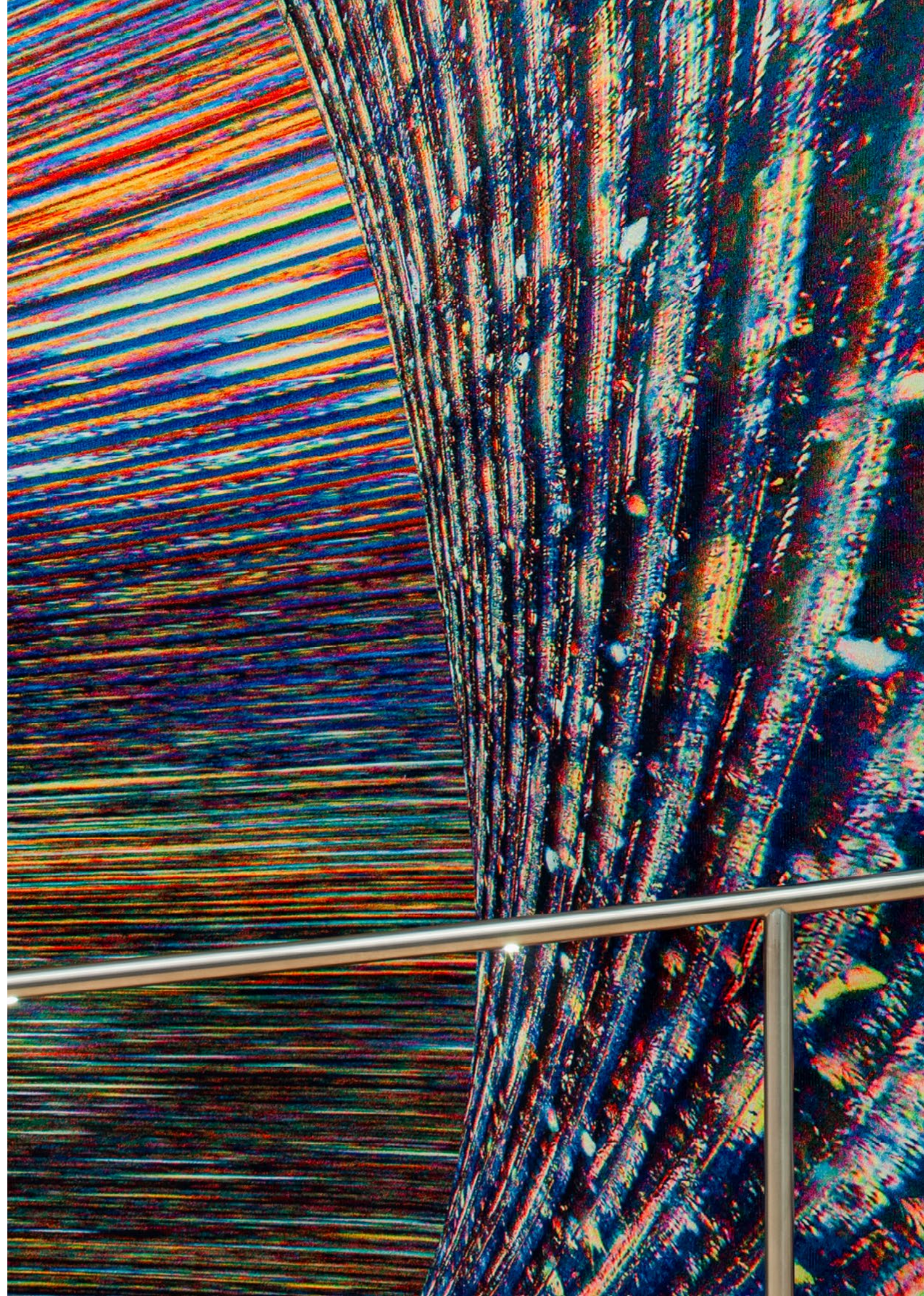
Others Will Know transforms a photograph of a small swatch of textile into an expansive tapestry. Stretched across 11 Soft Cells Broadline panels which are shaped in diverse geometries, the tapestry has a total length of 36.5m. To achieve a flawlessly smooth integration with the complex, curved architecture, the Kvadrat Acoustics team used a form-finding algorithm to calculate the panels' precise curvatures. At the same time, in close collaboration with OMA and Studio Miriam Bäckström, Kvadrat Acoustics enhanced the panel performance to ensure perfect image alignment.

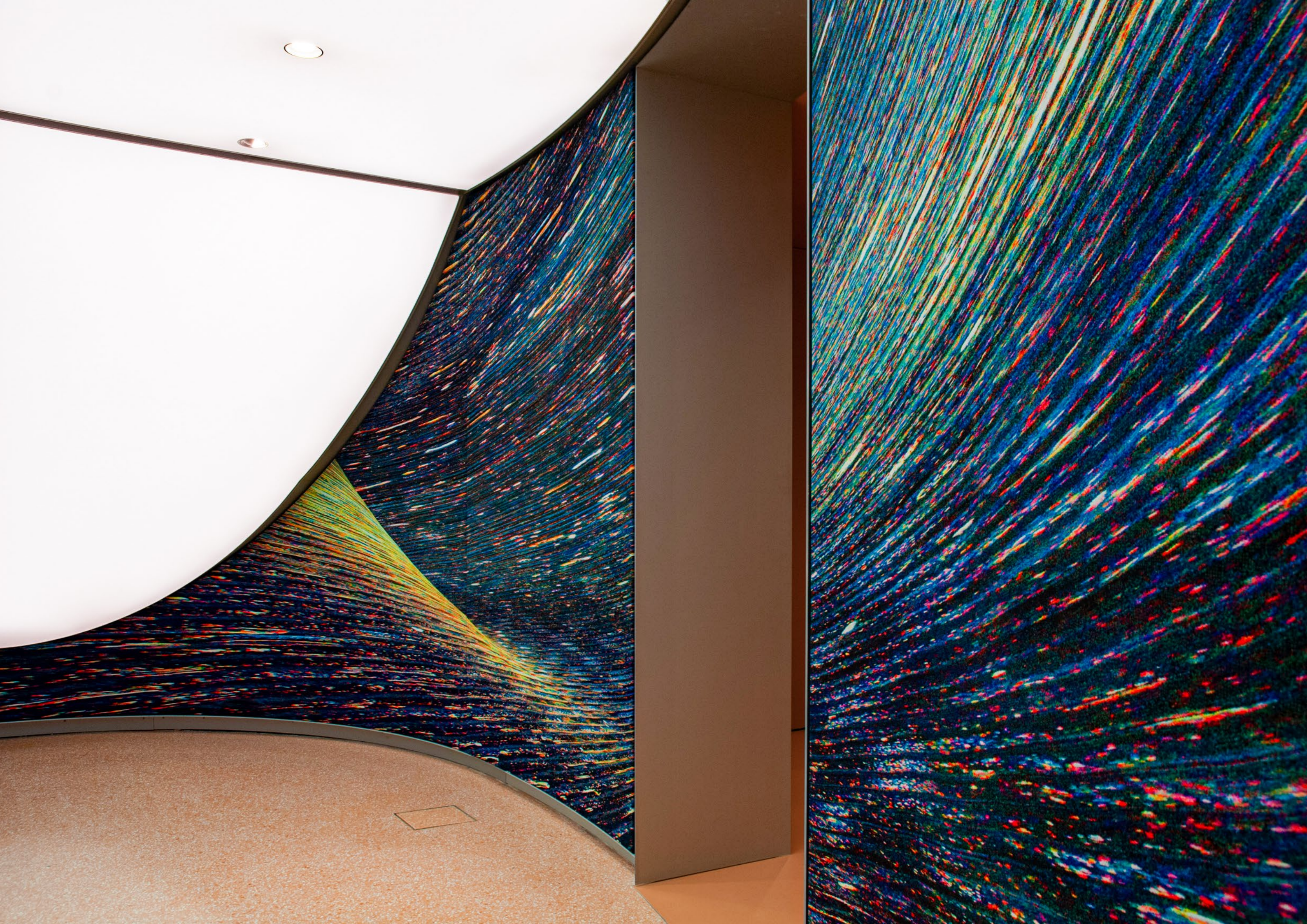
Solution

Kvadrat Acoustics solution featuring a textile artwork stretched across concave Soft Cells Broadline panels, installed with custom corner brackets.

Photography

Amanda Bieger





Bang & Olufsen flagship store London, UK

Architecture / design

Bang & Olufsen team, led by Head of Global Store Design Nikolaj Bebe

The project

Bang & Olufsen's modular flagship showroom on London's Bond Street integrates a Kvadrat Acoustics solution. It contributes towards shaping a pristine acoustic environment for experiencing the brand's high-tech products and fits with the concept focus on sustainable design.

Solution

Soft Cells Ultra Broadline sound absorption panels, upholstered with *Tacti Duo 111*, are employed on the lower ground floor to capture low-frequency sounds and deliver the 'ultimate sound experience.' The space, which features a sensorium enclosed by Kvadrat curtains, allows visitors to completely immerse themselves in Bang & Olufsen's cutting-edge sound technology.

Upstairs, in an apartment-like setting, a Tracks acoustic panel is installed on the wall in one seamless piece to elevate aesthetic and audio quality. It is covered with *Tacti Duo 111* and helps to set the stage for customers seeking to discover Bang & Olufsen's bespoke offering and its customisation opportunities.

Photography

Bang & Olufsen





Salmon Eye

Hardanger Fjord, Norway

Architecture / design
Kvorning Design

The project
Salmon Eye, an offshore interactive exhibition area and art installation that explores the changing aquaculture industry, integrates an expansive Kvadrat Acoustics solution. It runs as a continuous surface across the building's ellipsoid interior on the ceiling and walls.

The solution, developed using 3D models to ensure seamless precision, works to optimise aural and visual comfort – enhancing the experience for visitors as they go on a sensual journey exploring the sustainability issues around global aquaculture.

Solution
The Kvadrat Acoustics solution comprises 800 Soft Cells panels – covering almost 800sqm – of which two hundred and fifty are uniquely shaped. They are covered with a custom textile featuring a gradient from dark to light.

The Kvadrat Acoustics solution was developed using 3D models and mock-ups based on building data. Subsequently, to ensure perfectly consistent angles and a uniform 3mm gap between the panels, the Kvadrat Acoustics team created a bespoke rail-based substructure for the Salmon Eye – which also works to simplify maintenance and demounting.

Photography
Roel van Tour





M+

Hong Kong, China

Architecture / design

Herzog & de Meuron, TFP Farrells and Arup

The project

M+, Asia's first global museum of contemporary visual culture, integrates a Kvadrat Acoustics solution in its galleries and cinemas. The venue also incorporates an array of Kvadrat upholstery and curtain textiles.

The museum spans 65000 sqm. It is dedicated to collecting, exhibiting, and interpreting visual art, design and architecture, moving image, and the Hong Kong visual culture of the twentieth and twenty-first centuries.

Solution

The Kvadrat Acoustics solution comprises Soft Cells Broadline acoustic panels and helps to ensure visitors get an optimal experience when viewing films, documentaries, experimental cinema, and video art. In the building's three cinemas, the Soft Cells are installed on walls and ceilings and upholstered in a custom version of *Basel*; in the galleries, they are covered with *Field*.

Elsewhere at M+ a scale of Kvadrat textiles is used for seating, curtains, pillars, and walls. They work with the textiles on the Soft Cells acoustic panels to infuse the museum with sensuous, colourful materiality.

Photography

XU Liang Leon





Luxottica HQ Milan, Italy

Architecture / design

Park Associati

The project

Luxury eyewear brand Luxottica's HQ in Milan takes the form of a transparent crystal, which expresses innovation and beauty while promoting wellbeing. Following this vision, a custom radiant textile solution, developed in collaboration with PARC, is specified throughout the building.

The solution supports thermal comfort by providing efficient heating and cooling and meets the significant acoustic challenge of large open spaces populated with hard surfaces like glass and concrete.

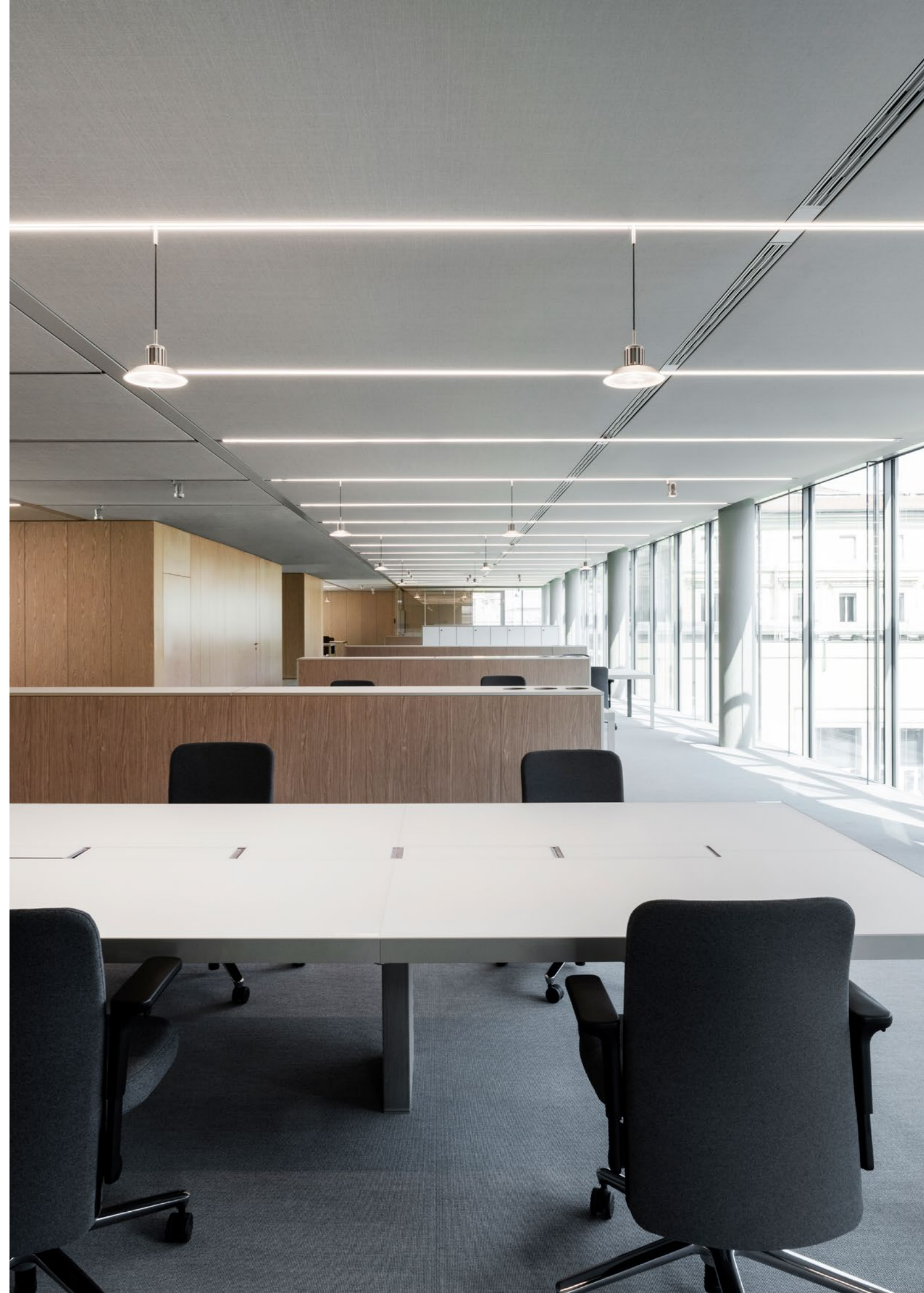
Solution

The solution comprises Weave Radiant Textile Panels incorporating copper coils on heat transfer saddles integrated within a Kvadrat Acoustics frame. The panels are upholstered with *Casa Alu*, a long-lasting custom-made performance textile crafted with perforated aluminum. They are installed on corridor ceilings and the ceiling above the main entrance.

Furthermore, the acoustic solution also elevates aesthetic quality and visual comfort: the curved trapezium-shaped Weave panels seamlessly follow the distinctive curvature of the building's façade and integrate Viabizzuno lights. On a practical level, it simplifies installation, maintenance and reupholstery.

Photography

Lorenzo Zandri and Andrea Martiradonna





Shanghai Library Shanghai, China

Architecture / design

Schmidt Hammer Lassen Architects

The project

The Shanghai Library incorporates a Kvadrat Acoustics solution installed in different spaces on several floors. The award-winning building, a floating monolithic structure, is in the Pudong district.

The Kvadrat Acoustics solution comprises 930 acoustic panels that contribute towards shaping the ideal acoustic environment for concentrating, education, collaboration and enjoying the arts. It works to transform the experience of rooms dedicated to reading, meetings, learning, recitals, listening to music and watching films.

Solution

At the library, Soft Cells Aesthetic panels that are primarily installed on ceilings are specified alongside Soft Cells Broadline panels on the walls. Together, they introduce saturated colours – *Field* in red, yellow, and green tones, *Pro* in deep Blue, and *Casa* in grey – that characterize the interior concept.

Photography

RAWVISION studio





指尖遇见美好

--非视觉图片展



Cleveland Clinic Ohio, USA

Architecture / design

Foster + Partners

The project

Foster + Partners has specified a Kvadrat Acoustics solution throughout the four-story Samson Pavilion in Ohio, designed for Case Western Reserve University and Cleveland Clinic. The new pavilion looks to the future of integrated, interactive health education. It combines the previously separate dental, nursing, university, and Cleveland Clinic Lerner College medical education programs.

Solution

The Kvadrat Acoustics solution supports collaboration and effective learning, and features 1440 triangular Soft Cells Broadline acoustic panels upholstered in *Toto*. It also includes Soft Cells acoustic panels upholstered in *Haze* in various different sizes.

Most of the triangular Soft Cells acoustic panels are installed in the roof trusses above the Delos M. Cosgrove courtyard. The acoustic panels upholstered in *Haze* are installed in the ceilings of classrooms, auditoriums, corridors, and social spaces throughout the pavilion.

Photography

Mark Wayner





can be achieved

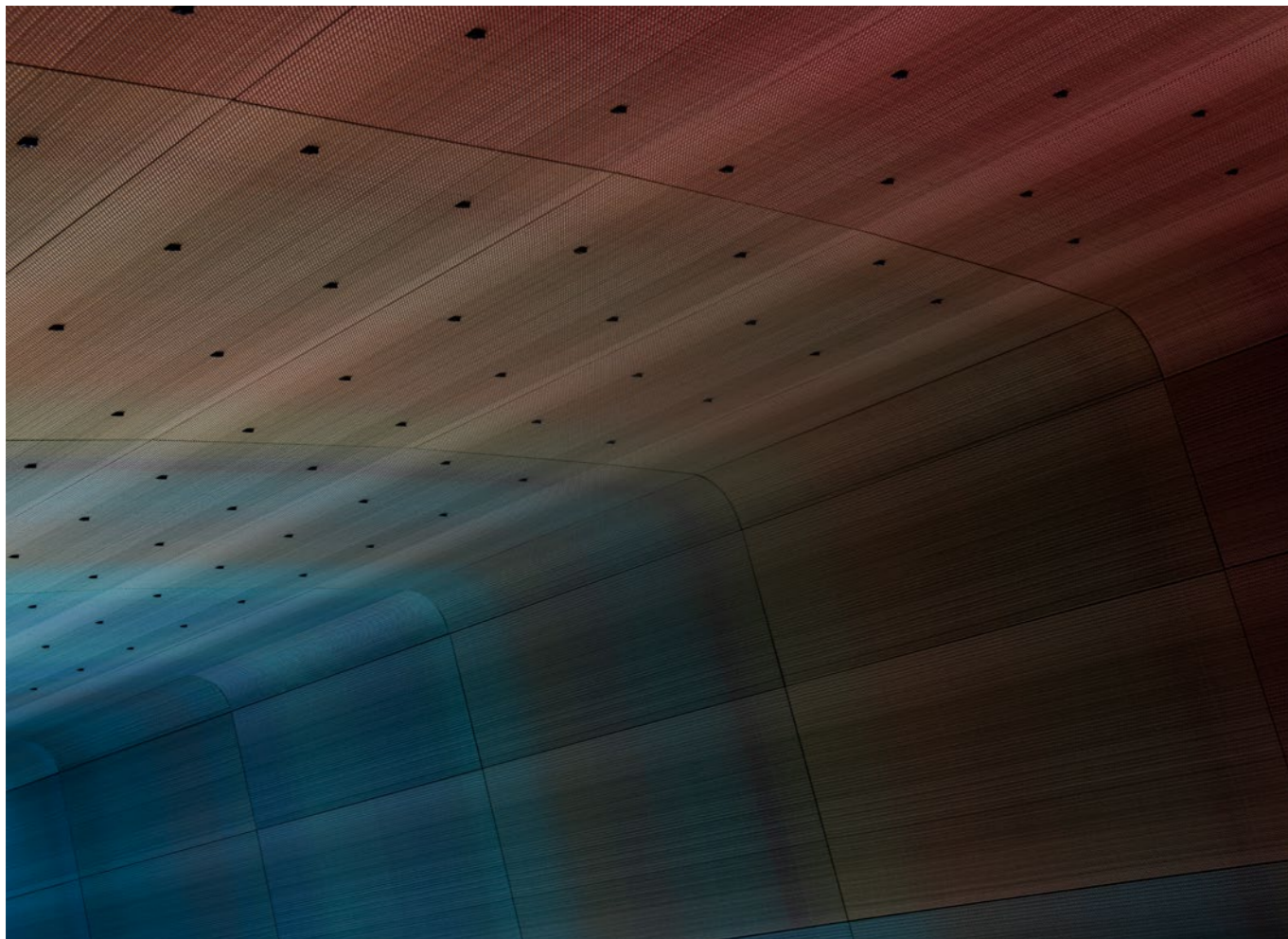


Discover more

Curious to learn more about our solutions and the possibilities for your project? Head to www.kvadratacoustics.com

You'll find:

- Inspirational films and images
- Technical specification documentation
- Impact documentation
- Our sustainability efforts
- Project case studies
- Product Specifier



Client: Restaurant Under
Location: Lindesnes, Norway
Architecture and design: Snøhetta Architects
Solution: Soft Cells Broadline panels with bespoke textile named *Under* on walls and ceiling
Photography: Ivar Kvaal

Cover image
Client: Salmon Eye
Location: Hardanger Fjord, Norway
Architecture and design: Kvorning Design
Solution: Soft Cells Broadline panels with bespoke textile
Photography: Roel van Tour