

Kaynemaile for Interiors



Kaynemaile® 
Architectural Mesh

For more on our interior range, visit us online: kaynemaile.com/interior



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www.kaynemaile.com

Our culture of invention and collaboration gives you the freedom to create inspiring spaces.

Our mesh is used to create, divide and protect building interiors and exteriors around the world, backed by over 60 years of material science technology.

“Kaynemaile is the link between art and science.”

—Kayne Horsham, CEO & Founder



Functional and Beautiful

Kaynemaile creates and defines interior spaces in uniquely beautiful ways. Our architectural mesh combines the benefits of airflow and transparency in a lightweight material, extending the possibilities for your next interior project.

Kaynemaile for Interiors

Our hanging, folding or framed screens are a unique way to create privacy and divide spaces. For a dramatic statement, our ceiling features are a simple and effective way to transform an interior space.

For technical information visit
kaynemaile.com/technical or
 contact us info@kaynemaile.com



Hanging Screens

Kaynemaile hanging screens are a simple ceiling-hung solution. Use them to divide interior spaces, create visual privacy and as decorative backdrops. They can be fixed at the top and bottom or hung freely from the top only.

kaynemaile.com/hanging-screens



Framed Screens

Kaynemaile framed screens are designed to fit into framed openings and work perfectly in door and window frames and cabinetry.

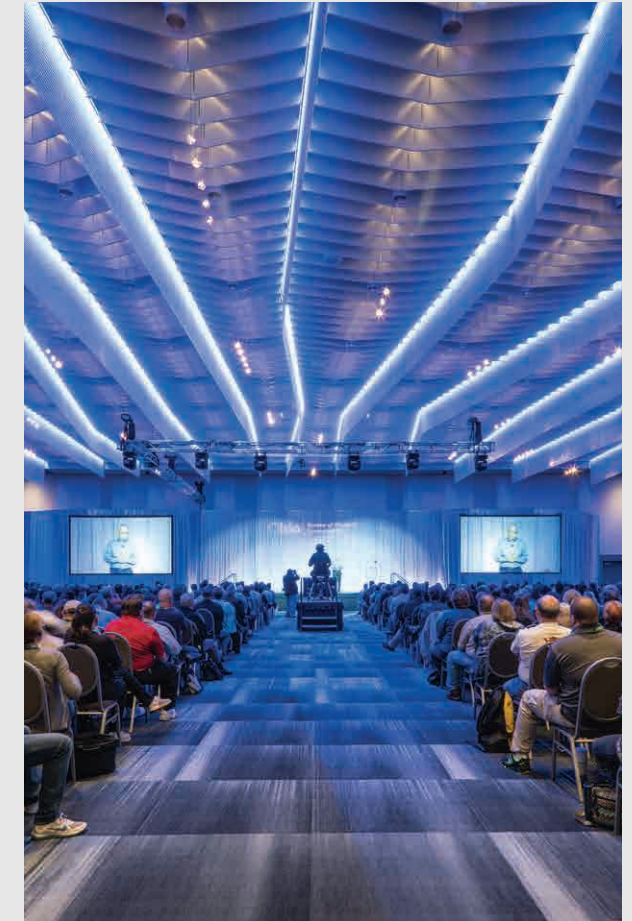
kaynemaile.com/framed-screens



Folding Screens

Kaynemaile folding screens can be used to divide spaces temporarily then retracted when not needed. They are ideal for creating smaller, more intimate spaces within open plan areas.

kaynemaile.com/folding-screens



Ceiling Features & Lighting

Kaynemaile mesh can be used for beautiful ceiling and lighting features. They are an eye-catching and cost-effective way to elevate your interior projects.

kaynemaile.com/lighting



Photography by Samuel Hartnett

KAYNEMAILE INTERIOR



Light, Airy & Secure

PRODUCT

Kaynemaile Hanging Screen

DESIGN

Tim Mein Architects

LOCATION

Rotorua, New Zealand

Kaynemaile worked with Tim Mein Architects to provide screening between the land-side and air-side areas of this airport terminal. The Water Clear Kaynemaile mesh screens form a visual and secure barrier without the need for a rigid partition system or interior glazing.



Honeycomb Inspired Ceiling Feature

PRODUCT
Ceiling Feature

DESIGN
Blur the Lines

LOCATION
Auckland, New Zealand

Kaynemaile was used as a ceiling feature within the Comvita Wellness Lab in Auckland. The design replicates the geometric pattern of honeycomb, which is further enhanced by the bronze coloured Kaynemaile mesh. Kaynemaile is a cost-effective and simple way to create dramatic centrepieces for foyers, receptions and feature areas.



RETAIL AWARD WINNER

**INTERIOR
AWARDS**



Photography by Quang Dam

Circular Connections

PRODUCT

Kaynemaile Hanging Screen

DESIGN

TD Solutions

LOCATION

Ho Chi Minh City, Vietnam

This new coffee house seamlessly blends Kaynemaile hanging screens within a contemporary yet classically inspired fit-out. The screens define smaller, intimate spaces without the need for rigid partitions, offering visual transparency while maintaining airflow.



Creative Waves

PRODUCT

Kaynemaile Hanging Screen

DESIGN

Cox Architecture

LOCATION

Perth, Australia

Elegant and sophisticated, this richly textured lobby creates a warm and inviting entranceway for staff and guests at this Perth workplace.





This wave-shaped Kaynemaile screen adds a warm textural element to the lobby, complimenting the rich palette of materials.

Curved screens are easy for Kaynemaile. The mesh can be fitted to a curved hanging rod or stretched across a frame to create curved three-dimensional shapes. Kaynemaile screens can be made to any size without annoying gaps or joins, giving you complete creative freedom to create unique, organic forms.

← **OVER:** The Kaynemaile curved screen offers a textural element to the lift lobby.

↑ **ABOVE:** A strong material palette enriches the workplace.

→ **RIGHT:** Detail of the bronze coloured Kaynemaile screen on curved rod.

WINNER
WA
Architecture
Awards





Photography by Brad Feinknopf, OTTD, Raven & Snow

KAYNEMAILE INTERIOR

Lightening the Mood

PRODUCT
Ceiling Feature

DESIGN
LMN Architects, Schooley Caldwell

LOCATION
Ohio, USA

LMN Architects created two custom ceiling features at the Greater Columbus Convention Centre. Both ceilings incorporated continuous lengths of Kaynemaile Water Clear mesh hung between the ceiling baffles. With LEDs next to the mesh Kaynemaile gives huge scope for lighting effects.



Curve Division

PRODUCT

Kaynemaile Hanging Screen

DESIGN

Bluehaus Group

LOCATION

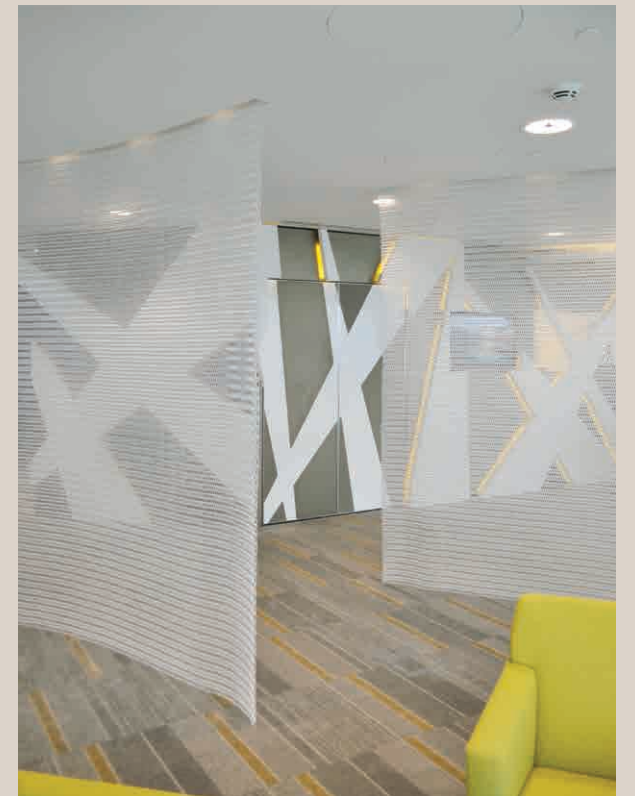
Dubai, United Arab Emirates

This single piece curved hanging screen at the Chamber of Commerce in Dubai provides elegant spatial separation while maintaining airflow and visual transparency. Kaynemaile's simple fixing systems allow curves to be easily specified.



↑ **ABOVE:** The Water Clear mesh screen curves through the Dubai Chamber of Commerce.

→ **RIGHT:** The Water Clear mesh creates privacy while keeping good visibility and airflow in the space.





Photography by Jason Mann Photography

Playful Movement

PRODUCT
Ceiling Feature

DESIGN
Designworks

LOCATION
Christchurch, New Zealand

Inspired by a nearby winding river, this beautiful Kaynemaile Bronze coloured mesh ceiling feature at the Crowne Plaza Hotel is lit from above and brings a warmth to the space as guests arrive. Our mesh gives 80% airflow through the cross sectional open area, allowing air compliant movement to be maintained.



WINNER
Silver Pin—
Spatial
Design,
Hospitality

Dividing Work Spaces

PRODUCT

Kaynemaile Hanging Screen

DESIGN

Sheppard & Rout Architects

LOCATION

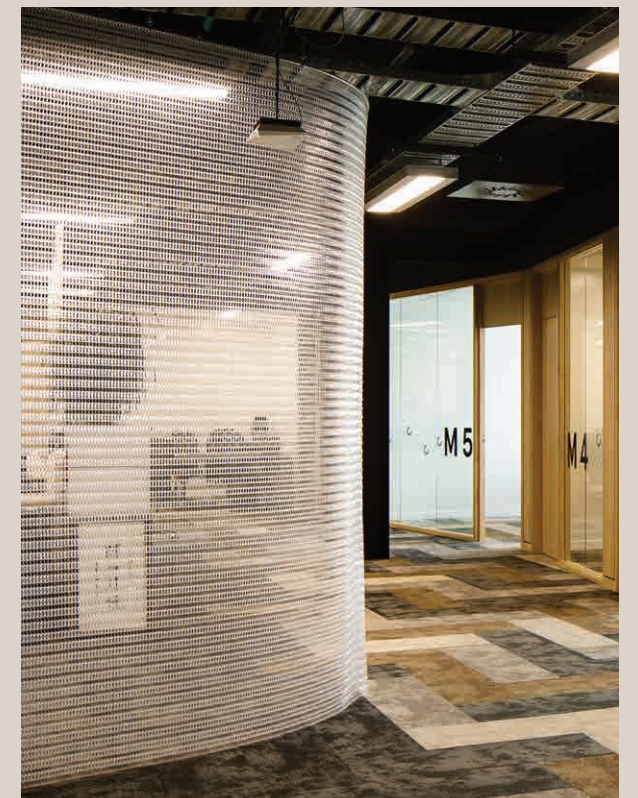
Christchurch, New Zealand

This hanging screen in a new office fit-out provides visual privacy while maintaining transparency and uninterrupted airflow. The large screen curls around storage units and office equipment, providing a functional component to an elegant screening solution.



↑ ABOVE: The Kaynemaile screen provides spatial separation between the reception and work stations behind.

→ RIGHT: The Water Clear Kaynemaile mesh screen curls elegantly around storage units and office equipment.



Suspending Light

PRODUCT
Light Feature

DESIGN
Robin Chell Design

LOCATION
Seattle, USA

The unique properties of Kaynemaile architectural mesh makes fluid, sculptural lighting a simple option for feature areas. Use them around in-built lighting or suspend them around hanging lights with our simple fixing systems.



→ **RIGHT:** Ribbon shaped lighting features float in this atrium at Cornell University, New York.

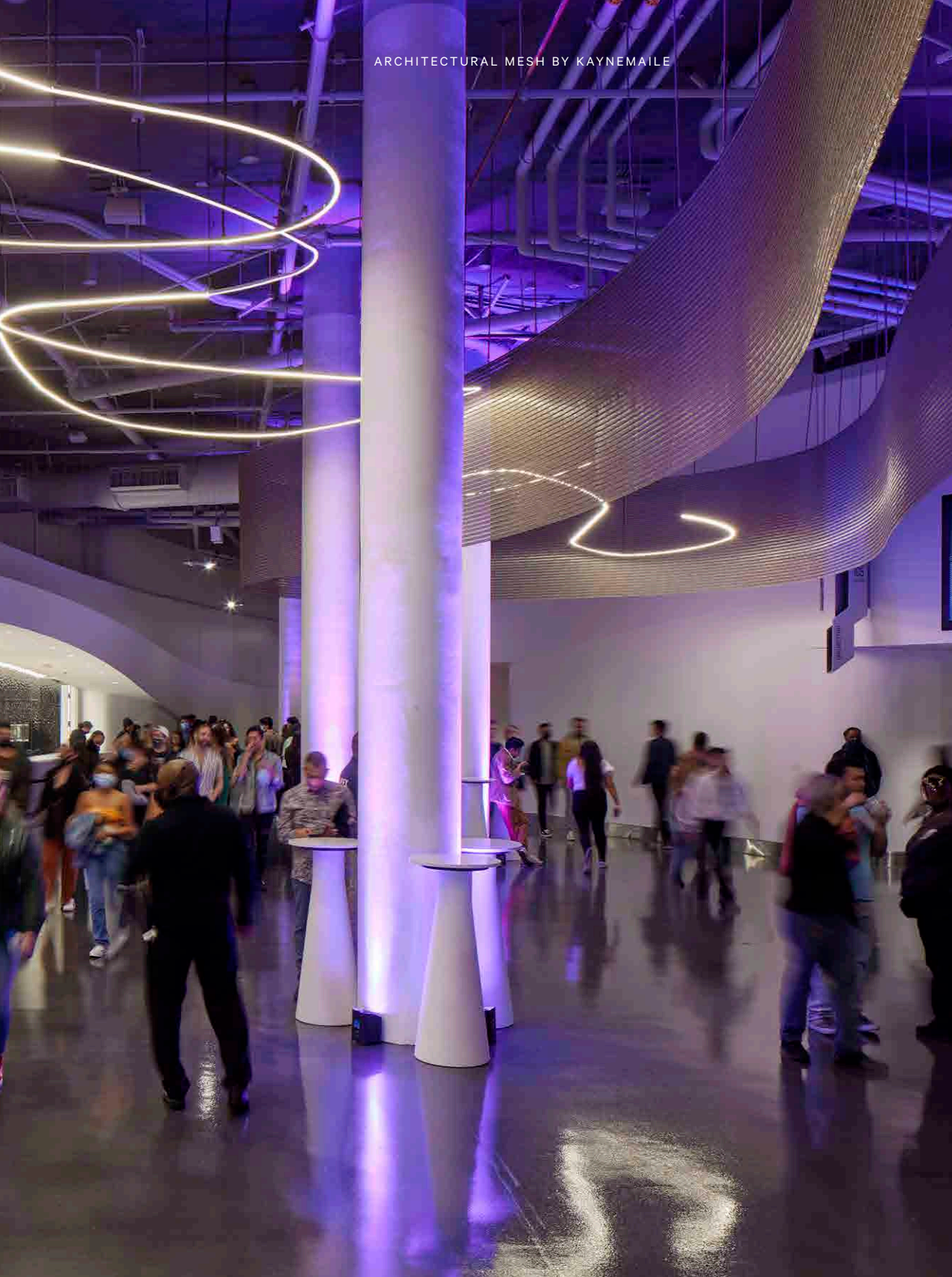
→ **FAR RIGHT:** This circular chandelier uses multiple layers of Kaynemaile as a feature in a hotel foyer.

↓ **BELOW:** Organic shapes are suspended in this foyer in Seattle, Washington.



Photo by Sam Bisso





ARCHITECTURAL MESH BY KAYNEMAILE

Photography by Bruce Damonte Photography

KAYNEMAILE INTERIOR



Sculptural Ceiling Ribbons

PRODUCT

Kaynemaile Ceiling Feature

DESIGN

HKS Dallas, TX

LOCATION

YouTube Theatre, Inglewood, CA, USA

Kaynemaile sculptural pieces transform the large spaces of the YouTube Theatre in Inglewood, California. Continuous ceiling hung ribbons wind through the lobby spaces while a Kaynemaile chandelier stretches up to 40ft. over the balcony bar.



Photography by Andy Spain

KAYNEMAILE INTERIOR

Beautiful Protection

PRODUCT

Kaynemaile Framed Screen

DESIGN

architecture+

LOCATION

Wellington, New Zealand

Used in this boldly coloured stairwell over glass partitions, Kaynemaile fixed frame screens diffuse the light and add an element of privacy to this office interior.

Why use Kaynemaile mesh.

Kaynemaile’s Class A compliant polycarbonate mesh is a patented, world-leading innovation. With over 60 years of polycarbonate material science and research to call on we know our mesh inside out. We think the benefits of our product are extraordinary.



70% Solar Reduction

Kaynemaile significantly reduces both radiant heat through direct sunlight (EMR) and thermal conductive heat from entering the interior of a building by up to 70%. This gives you the ability to let daylight in and manage the passive solar gain—all while maintaining visual transparency.



Super Fast Installation

Kaynemaile is lightweight (3kg per square metre) and goes up fast, cutting down the install time dramatically and saving costs. Our fixing systems are simple and we don’t need the same level of sub-frame as metal products. This means our installed rate is more cost effective than metal or glass panel products.



Unlimited Screen Size

We are not limited by panel size—we can make our screens to any height or width without joins or distracting gaps. This gives you freedom at the design concept stage that other materials don’t. Making our screens to the size you need them means less structure, less fixings, and less time on site.



Eco-conscious Manufacturing

We are constantly striving to reduce the environmental footprint of our business. Our unique manufacturing process means we only make what we need. Our materials are fully recyclable using low-energy processes.



Trusted Durability

Metal based materials corrode and oxidise in coastal conditions. Kaynemaile does not. Our mesh holds true to its tensile strength. We use mineral colour-fast pigments that will not stain your building when it rains, unlike traditional metal mesh materials.



Unbeatable Strength

Our mesh is made from the highest performing thermoplastic. It is extremely robust and impact resistant. Thermally stable from -40°F to 248°F (-40°C to 120°C).



Simple Attachment Systems

Our attachment methods for both exterior and interior systems are simple and based around two systems that utilise tube and hooks or extruded aluminium fixings. Even our custom projects are based around these simple attaching systems. For fixing details, contact us at info@kaynemaile.com.



Fire Performance

KML22 65-FR

Test	Result
USA	
ASTM E84-19 Flame Spread index (FSI): 5 Smoke Developed Index (SDI): 350	Class A
NFPA 286	Pass, meets standard criteria (Class A)
NFPA 285	Pass, meets standard criteria
NFPA 268	Pass, meets standard criteria
NFPA 701	Pass
Conforming with section 803.12 stability at 200°F	Meets standard criteria
ASTM D 635	Classified HB and Class CC1
ASTM D 1929 Self-Ignition Temperature	968°F (520°C)
ASTM D 1929 Flash Ignition Temperature	842°F (450°C)
ASTM D 2843 Smoke Density Rating	70.9
EU	
BS EN 13501-1:2007 + A1:2009	B-s1, d0
BS EN ISO 11925-2:2010	Compliant
BS EN 13823:2010 + A1:2014	Compliant
DIN 4102 part 1	Pass B1
NZ / AU	
AS ISO 9705 Room Corner Test NZBC verification method C/MV2 appendix A	1s—Smoke production not more than 0.5m ² /s ² x 1000
NCC Specification C1.10	Group 1 flammability rating. SMORGA of 0.5m ² /s ²
AS 1530.3	Regulatory indices - Ignition index = 0 Spread of flame index = 0 Heat evolved index = 0 Smoke developed index = 1
IMO Resolution A.652	Pass smouldering cigarette & match flame equivalent
UL94-VO/3.0	Self-extinguishing

For fire code information relevant to your region, visit us online: kaynemaile.com/technical



Colour Options

We've come up with a range of stock colours to give you a wide range of looks for your interior project.

Colour Details

Stock Colours

Bronze, Copper, Steel, Obsidian Black, Champagne, Silver and Water Clear (Water Clear is for interior use only)

*Other colours are available on request and may include a longer lead time. Contact us for information.

Finishes

All colours are in a gloss finish.

Warranty

Kaynemaile Architectural Mesh for standard interior and exterior applications has a 10 year warranty.*

**Excludes kinetic or custom applications. Contact Kaynemaile to discuss your specific application.*



Flat White*

Ruby Red*

Azure Blue*

Water Clear*

Jade Green*

Translucent Marine*

Bronze

Copper

Steel

Obsidian Black

Silver*

Champagne

Kaynemaile Hanging Screens

For more visit:
www.kaynemaile.com/hanging-screens

Kaynemaile Hanging Screens are a simple ceiling-hung solution utilising a stainless steel hanging tube and ceiling hook system. Use them to divide interior spaces, create visual privacy and as decorative backdrops. Hanging Screens can be tensioned at the bottom with additional floor fixings.

Features

Weight: 0.6lbs/ft² (3kg m²)

Sizes: Unlimited in size.

Colour palette: All Kaynemaile standard colours are suitable for interior use. See colour range in this booklet.

Custom shapes: We can make curved screens. Contact Kaynemaile to discuss your requirements.

Hanging system: 0.5in (12.7mm) diameter stainless steel hanging tube and our proprietary stainless steel ceiling hooks. Spacing of hooks is approximately 19.5in (500mm).

Supplied hardware: Hanging screens are supplied with Kaynemaile mesh and all hanging hardware you need for installation.

Hanging System

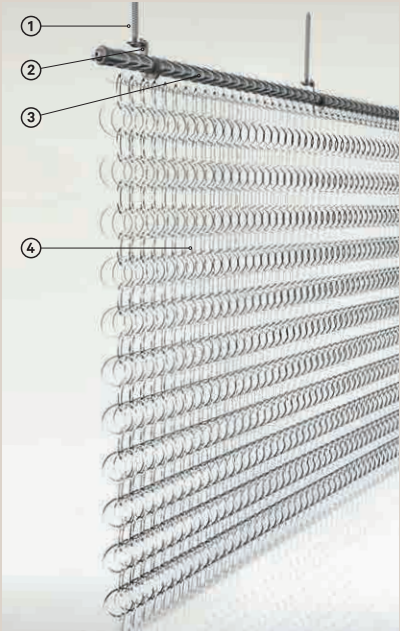
Our systems are simple—screw the supplied hooks into your ceiling substrate and hook the hanging tube over the hooks. Large screens are supplied with a lifting cord to help you install. Let us know what your ceiling substrate is and we will supply the correct screws.

To create a more rigid screen, our hanging screens can be fixed to the floor as well as the ceiling utilising a stainless steel tube and hook system.

Kaynemaile standard interior screens are not suitable for balustrade or safety from falling applications. Contact us for more information.

Standard Top Fixing Detail

- 0.5in (12.7mm) stainless steel hanging tube, with proprietary stainless steel hooks at 23.5in (600mm) approximate centres.
- Standard screen fixings are available for timber, steel and masonry.



Additional fixings can be added at the bottom for screen tension



① Fixing Screw

② S/S Hook

③ S/S Hanging Tube

④ Kaynemaile Mesh

Kaynemaile Framed Screens

For more visit:
www.kaynemaile.com/framed-screens

Kaynemaile Framed Screens are designed to fit into framed openings and work perfectly with sliding doors, screens and window openings. They are perfect with cabinetry, retail point-of-sale and commercial applications and look great with feature lighting.

Features

Weight: 0.6lbs/ft² (3kg m²)

Sizes: Unlimited in size.

Colour palette: All Kaynemaile standard colours are suitable for interior use. For colour range see page 49 of this booklet.

Custom shapes: Curved screens can be manufactured. Contact Kaynemaile to discuss your project.

Supplied hardware: Framed framed screens are supplied with Kaynemaile mesh, low profile edge track and mesh saddles along with standard screw fixings for timber, steel and masonry attachment.

Hanging System

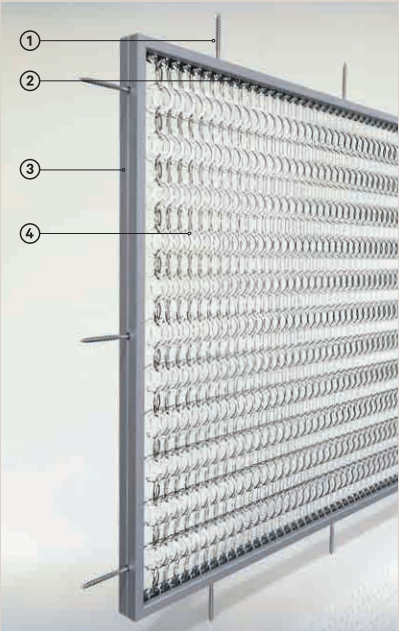
Kaynemaile framed screens utilise our 0.9in high x 0.39in wide (23mm x 10mm) low profile anodised aluminium track at all edges combined with our polycarbonate mesh saddles that clip the mesh in under light tension.

Our low-profile track is designed to fix directly to a substrate or framework and comes pre-drilled at 7.87in (200mm) centres for fast install.

Kaynemaile interior framed screens may not be suitable for balustrade or safety from falling applications in all regions. Contact us for more information.

Frame Requirements

Kaynemaile framed screens are not self-supporting and are designed to fit within a framed opening or structure (not supplied). The screens are under light tension. For small to medium cabinetry installations most typical framework will be suitable. Larger feature screens will require a suitable substructure.



① Fixing Screw

② Polycarbonate Mesh Saddle

③ Low Profile Aluminium Track

④ Kaynemaile Mesh

Discover our exterior applications online.

Collaborate with us

We're happy to answer your questions — from product information to technical assistance. Call or send us an email. We're here to help.

For more on our exterior applications, visit us online: kaynemaile.com/exterior



Kaynemaile®
Architectural Mesh

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