Kaynemaile
for Interiors

Kaynemaile®
Architectural Mesh

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.

Stay up to date:

- @kaynemaile
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www.kaynemaile.com

"Kaynemaile is the link between art and science."

—**Kayne Horsham,** CEO & Founder

Functional and Beautiful

Kaynemaile gives you the ability to divide and define interior spaces while providing transparency and airflow.

Our hanging, folding or framed dividers are suitable for creating privacy and partitioning spaces. Being highly textural they add an artistic element to each space.

Crowne Plaza Hotel Ceiling Feature | Photography by Jason Mann

Kaynemaile for Interiors

We've developed two simple fixing systems that work across our product range. Our screens are multi-functional and affordable. When our standard products don't suit your project we can create a unique custom solution.

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 bottom or hung freely.
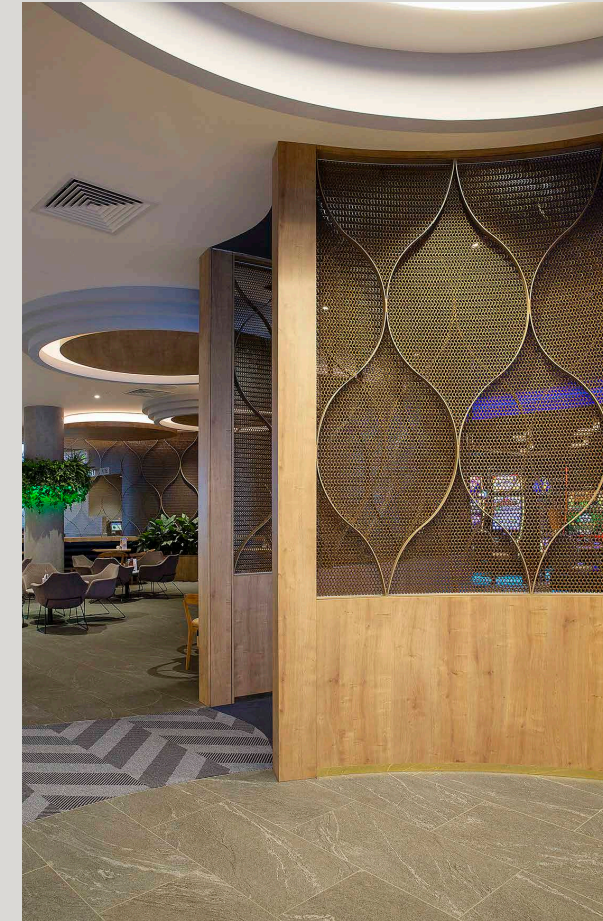
kaynemaile.com/hanging-screens

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/interior-folding-screens

Framed Screens

Kaynemaile framed screens are designed to fit into framed openings and work perfectly in doors, windows and cabinetry.

kaynemaile.com/framed-screens

Ceiling Features & Lighting

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

kaynemaile.com/lighting

Photography by Jason Mann

Dividing Work Spaces

PRODUCT
Kaynemaile Hanging Screen

DESIGN
Sheppard & Rout

LOCATION
Christchurch, New Zealand

This hanging screen in a new office fitout 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.

Photography by Quang Dam

Curves and Coffee

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.

Creative Curves for Workplace Lobby

PRODUCT

Kaynemaile Hanging Screen

DESIGN

Cox Architecture

LOCATION

Perth, Australia

Adding rich, textural elements to contemporary workplaces.

The team at Cox Architecture have delivered a contemporary workplace with a sophisticated material palette—including Kaynemaile mesh in the entry to the building.

125 Murray St is an artful refurbishment by Cox Architecture, breathing new life into a nine-storey CBD building which previously had low levels of natural light and no real connection with the city outside.

The newly developed contemporary workplace is game changing—and includes a curved bronze Kaynemaile screen in the lift lobby. The screen offers an aesthetically textural element to the surrounding rich material choices.

Curved screens are no problem for Kaynemaile. The malleability of the mesh means it can be fitted to a curved 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 shapes.

The project was the winner of the Ross Chisholm and Gil Nicol Award in Commercial Architecture at the 2020 WA Architecture Awards. It also received a Commendation in The WA Lighting Award.

← **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 screen on curved rod.

Sculptural Privacy Screening

PRODUCT
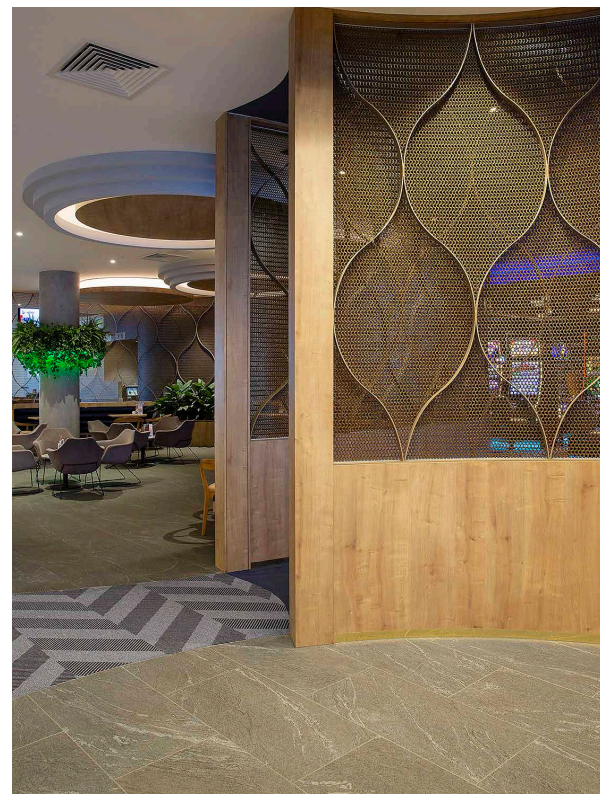Kaynemaile Framed Screen

DESIGN
Cayas Architects

LOCATION
Brisbane, Australia

↑ **ABOVE:** The Kaynemaile screen provides spatial separation between the restaurant, gaming facilities and corporate areas.

→ **RIGHT:** Unique curved metal framing was used on either side of the Bronze Kaynemaile mesh to create depth within the design.

Norths Devils Leagues Club is a large entertainment venue and home to the North Brisbane Devils Rugby League team who have a long-established history in the sport and region. Kaynemaile screens provide privacy to restaurant diners without being completely blocked off from adjacent spaces.

Elegant Shading

PRODUCT Kaynemaile Framed Screen | **DESIGN** LTW Designworks | **LOCATION** Hangzhou, China

Located in Hangzhou's opulent Shangri-La Hotel this framed screen serves a dual purpose of decorative and solar reduction, helping to cut the sun's heat from entering the atrium. With the ability to take architectural lighting beautifully, Kaynemaile is perfect for feature screening in high profile locations.

Photograph by Edmon Leong

Security at Scale

PRODUCT Kaynemaile Hanging Screen | **DESIGN** GMW London | **LOCATION** Medina, Saudi Arabia

With 16 million passengers predicted by 2037 the material requirements for Medina's new airport terminal in Saudi Arabia were critical. Kaynemaile exceeded these requirements, providing airflow and security in single piece fire rated screens up to 90 metres in width and 14 metres high. Our hanging screens prove that barriers can be functional and beautiful.

Functional Separation

PRODUCT
Kaynemaile Hanging Screen

LOCATION
Wellington, New Zealand

↑ **TOP:** The two hanging screens separate the kitchen from an informal dining area and add an interesting textural element to the space.

Our versatile hanging screens are great for space separation in co-working office spaces. Sectioning the kitchen from meeting areas, hiding printers from view or reception areas from work spaces is what these screens do best.

Luxurious Ceiling Feature

PRODUCT
Ceiling Feature

DESIGN
Robin Chell Design
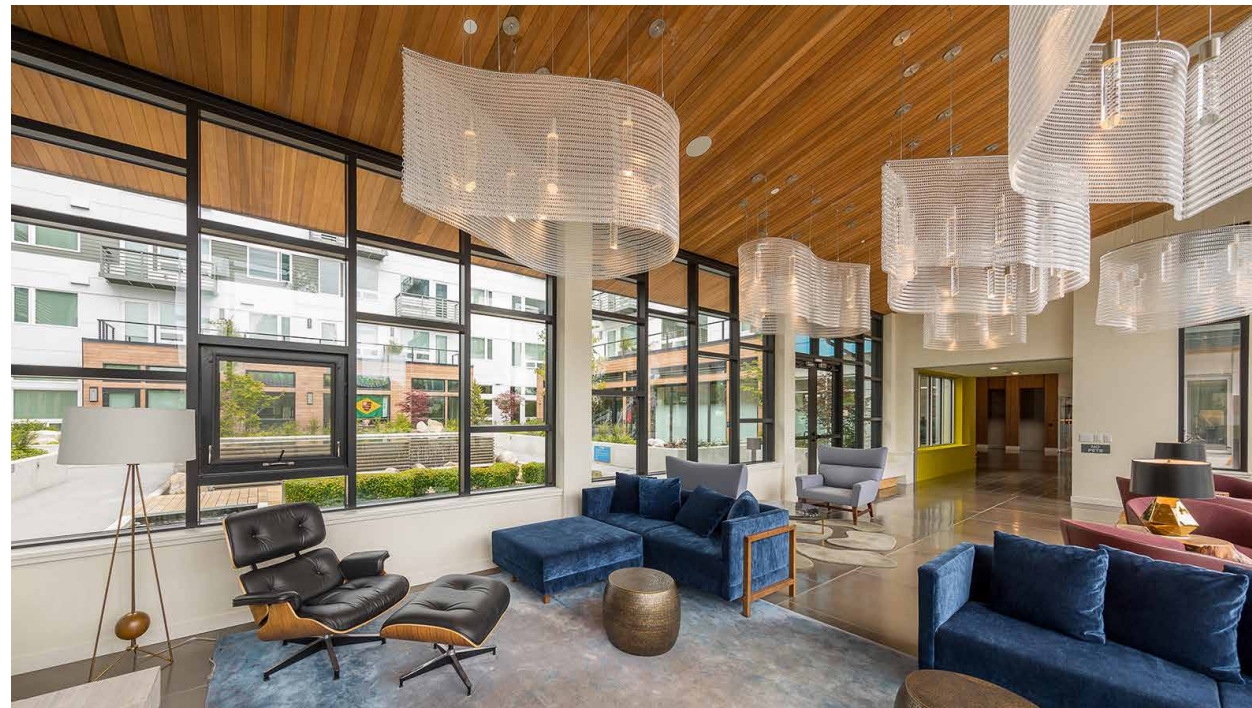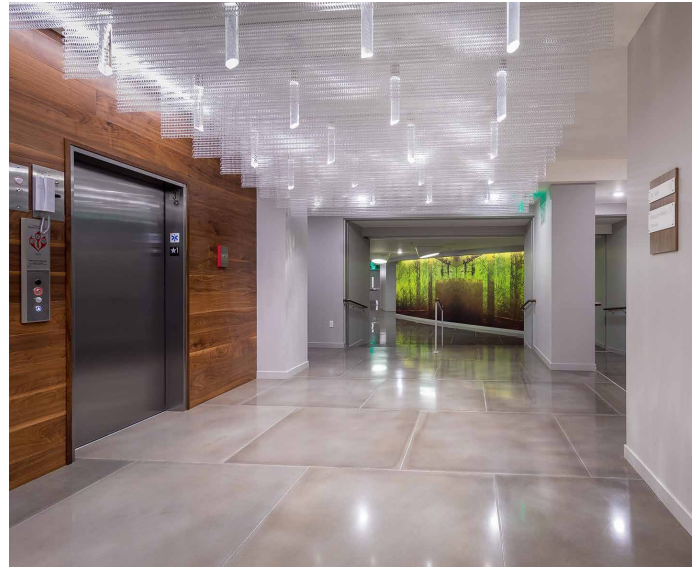
LOCATION
Seattle, USA

Robin Chell designed these ceiling features with Kaynemaile mesh to create a series of beautiful, fluid light fixtures that draw inspiration from the waves of the lake close by.

Photography by Daniel Sheehan

One Lakefront is the ultimate in modern lakeside luxury. An 8-storey, 236-unit mid-rise apartment complex which is located adjacent to Seattle's Lake Union. South Lake Union has been the fastest growing neighbourhood in one of the fastest growing cities in the US for the last several years.

Robin Chell Design was responsible for the interior design of the apartment complex including space planning, finishes, design procurement and installation. The interior design was to evoke a sense of 'modern lake-house' style.

Robin Chell herself designed these ceiling features with Kaynemaile mesh to create a series of fluid light fixtures that draw inspiration from the waves of the lake close by. These lighting features were used in the pavilion lobby and as long strips above the elevator lobby creating a strong connection to the two areas.

↖ **LEFT TOP:** Kaynemaile mesh has been used as a ceiling feature above the elevator lobby connecting the two areas.

← **LEFT BOTTOM & ABOVE:** The ceiling features designed by Robin Chell create a softness to the space, drawing inspiration from the lake nearby.

Photography by Antonio Lombardini

Ethereal Screening

This translucent Water Clear hanging screen floats within the reception of the prestigious Torre Solaria apartment building. Installed as one large seamless piece the screen creates an ethereal atmosphere in the spacious foyer. An elegant solution for solar shading and sound reduction in a large space.

Photography by Donna Allen

Structure & Fluidity

PRODUCT
Hanging Screen

DESIGN
Donna Allen, The Space Within

LOCATION
New South Wales, Australia

"The structure and fluidity of Kaynemaile screens makes it an amazing product to work with."

—Donna Allen, The Space Within

A solution was needed to create some visual and spatial separation between the dining area and more private areas that lead off the large open plan living space. Kaynemaile was chosen for this project because it has the unique ability to create both visual privacy as well as visual connection while allowing light and air to flow through the space. This could not be achieved with a solid barrier—which would have made the room feel a lot smaller.

A large 5.5m wide x 2.7m high Kaynemaile hanging screen in Champagne colour was hung behind the dining area to create a hallway. The position of the screen guides and directs the way people move through the space.

Lightening the Mood

PRODUCT

Custom 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 undulating lengths of Kaynemaile Water Clear mesh hung between each ceiling baffle. With LEDs next to the mesh Kaynemaile gives huge scope for lighting effects.

Photography credit—Brad Feinknopf, OTTO, Raven & Snow

Photography by Jason Mann

Playful Movement

Inspired by a nearby winding river, the beautiful Kaynemaile Bronze 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.

All you need to know about Kaynemaile mesh.

Kaynemaile's 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've undertaken extensive laboratory and field tests to ensure our product range works and we keep testing it everyday. 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	
NFPA 285	Pass, meets standard criteria
NFPA 286	Pass, meets standard criteria (Class A)
NFPA 268	Pass, meets standard criteria
NFPA 701	Pass
Conforming with section 803.12 stability at 200°F	Meets standard criteria
LIGHT TRANSMITTING PLASTICS	
ASTM E84-19 Flame Spread index (FSI): 5 Smoke Developed Index (SDI): 350	Class A
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 0.5m²/s² x 1000
NCC Specification C1.10	Group 1 flammability rating. SMORGA of 0.5m²/s²
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 standard colours to give you a wide range of looks for your interior project.

Colour Details

Standard Colours
Bronze, Copper, Steel, Obsidian Black 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.

Custom Colours
Kaynemaile can manufacture virtually any custom colour for you. We work off standard RAL or Pantone colour codes. Supply us the colour codes and we can provide the swatches for final approval before manufacture.

Minimum quantities apply to custom colours. Not all are suitable for exterior applications. Contact us for more information.

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.

Kaynemaile Interior Colours

Flat White*

Ruby Red*

Azure Blue*

Water Clear

Jade Green*

Ice Blue*

Kaynemaile Exterior Colours

Bronze

Copper

Steel

Obsidian Black

Translucent Black*

Silver*

Champagne*

Kaynemaile 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.

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

Features

Weight: 0.6lbs/ft^2 (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: 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.
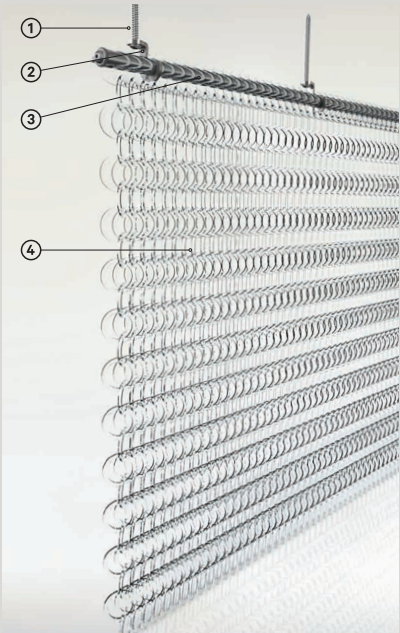
Hanging System

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 semi-ridgid screen, our hanging screens can be fixed to the floor as well as the ceiling utilising a stainless steel tube and hook system.
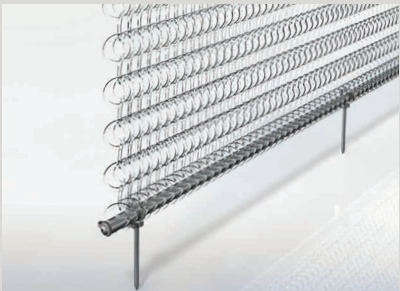
Kaynemaile standard interior screens are not suitable for balustrade or safety from falling applications. Contact us for more information.

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

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.

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

Features

Weight: 0.6lbs/ft^2 (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.
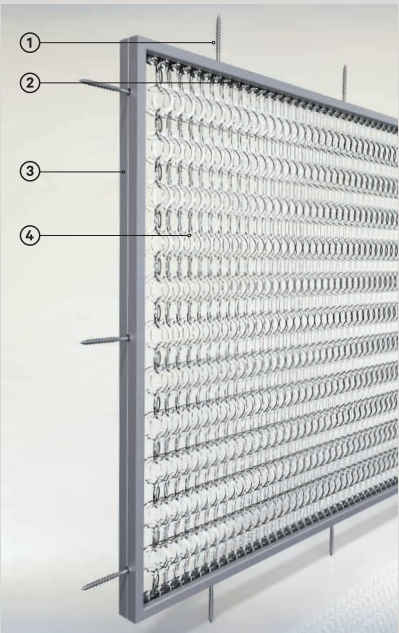
Hanging System

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. 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

Kaynemaile for exteriors is lightweight and goes up fast, cutting construction timeframes and labour costs. We can make our screens to any height or width without joins.

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

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.

Kaynemaile®
Architectural Mesh

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