



Kaynemaile® Exterior Flat Screens: Kaynemaile is extremely lightweight and easy to install. It goes up fast which dramatically reduces construction schedules and costs. It is tough and impact resistant, yet flexible enough to be stretched over a frame to execute complex three dimensional designs. Screens can be made to any height or width without joins or expansion gaps.

RE/8™ bio-circular architectural mesh by Kaynemaile is lightweight and doesn't need the same level of fixings or substructure as metal products. Our screens go up fast cutting down install time dramatically and saving costs.

Features

Weight: 0.6lbs/ft² (3kg m²)

Sizes: Unlimited in size.

Colour palette: Our mesh comes in a range of solid colours. For colour range visit www.kaynemaile.com/kaynemaile-colour-palette

Supplied hardware: Kaynemaile screens are supplied with our RE/8 bio-circular architectural mesh and fixing system to suit your subframe.

Hanging system

Our Kaynemaile screens utilize our 0.5in (12.7mm) stainless steel tube at the top and bottom and our 0.9in wide x 0.39in high (23mm x 10mm) low profile anodized aluminium track at the sides.

Frame requirements

Our RE/8 mesh screens are under tension vertically and need a frame around the full perimeter. The size of the screen will determine the sub-frame requirements. Your sub-frame can be concrete, steel or timber.

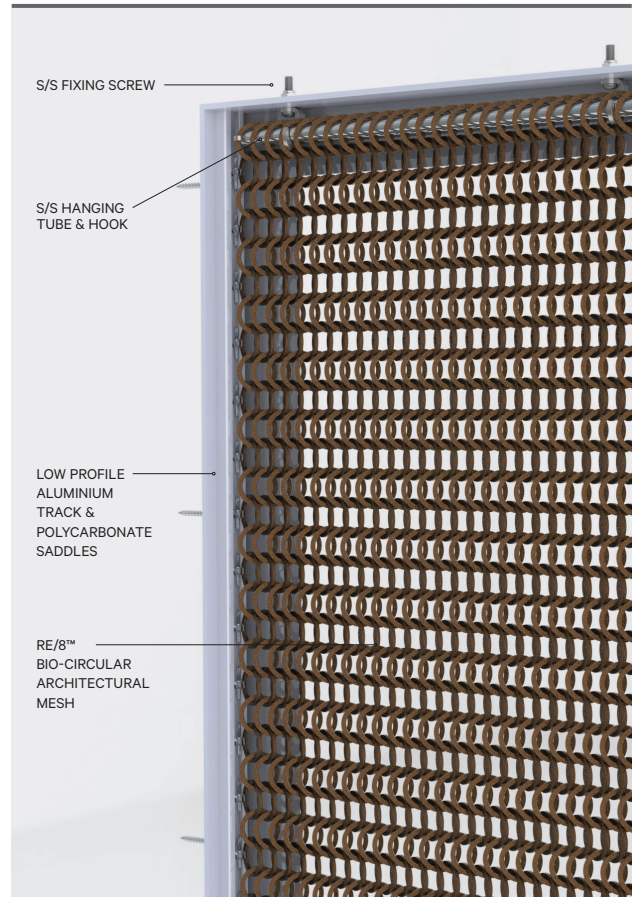
We can provide you with wind loading details so you can accurately determine your sub-frame requirements. Our ideal sub-frame for large screens is made from steel equal angle.

Screen tension

Our RE/8 mesh screens are tensioned vertically.

How to specify your screens

To specify your Kaynemaile Exterior Flat Screen just let us know the approximate width and height and we will advise on fixing details. If your screen is over 13ft (4m) in height it may require intermediate fixings.

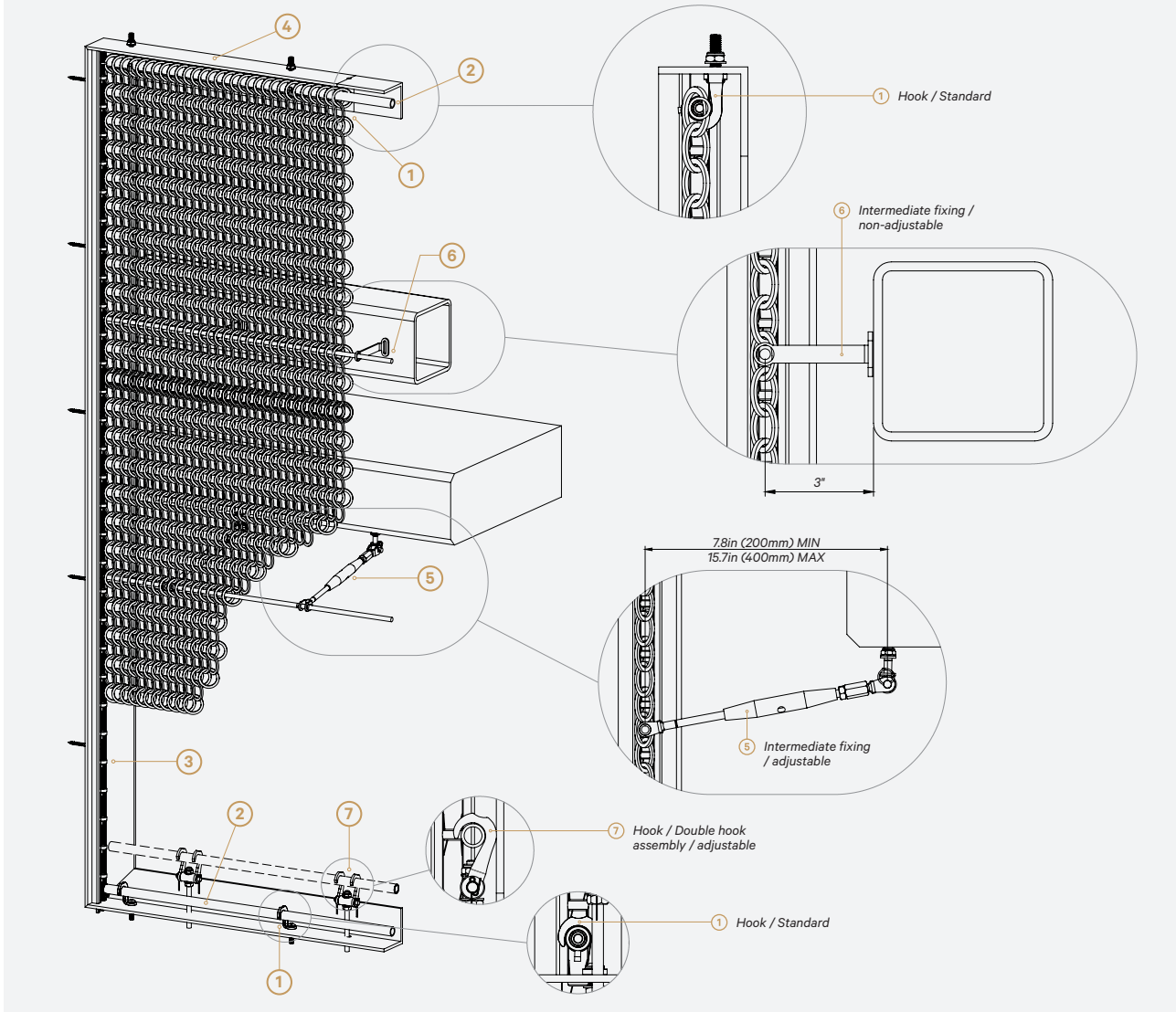


Technical Specifications

Material	RE/8™ bio-circular architectural mesh, fire and UV resistant
Visual open area	Approximately 25%
Physical open area	Approximately 80%
Weight	0.6 lb/ft ² (3kg m ²)
Maximum sheet size	Unlimited height and width
Screen thickness	0.6in (15mm)
Colour customisation	Available (additional costs may apply to small orders)
Diameter of ring	0.8in internal (22mm), 1.10in external (28mm)



Typical Kaynemaile Fixing Details



- ① Standard 0.12in (3mm) thick stainless steel hook. Typical hook spacing is 12in (300mm) however spacing varies based on the screen size and the project requirements. Hook fixings are M6 metric (0.25in).
- ② Standard 0.5in (12.7mm) stainless steel tube through top and bottom mesh rows.
- ③ Standard aluminium low profile track. Finish is silver anodized. Uses 0.1574in fixings (M4 metric) at 7.87in (200mm) spacing.
- ④ Typical steel equal angle full perimeter subframe. Recommended minimum size is 2.95" x 2.95" (75mm x 75mm). **Note:** Sub-frame is not supplied.
- ⑤ Adjustable intermediate fixing. Screens over 13ft high (4m) may require intermediate fixings. An adjustable fixing is used where a backspacing exceeds 2.5in (70mm) or when the intermediate fixing is required to attach to the underside of a concrete slab or sub-frame. All intermediate fixings connect to a 0.25in (6mm) solid stainless steel rod run internally through the mesh.
- ⑥ Non-adjustable fixing. Screens over 13ft high (4m) may require intermediate fixings.
- ⑦ Adjustable double hook arrangement. Typically used for large screens that may require spot-applied tension adjustments or screens with non-parallel bottom edges. Uses M6 metric fixing (0.25in).

Please Note: These details are provided for information purposes only and may not be the full extent of your project requirements. Please contact Kaynemaile or your local representative for more information.