

Evo External Screen System



The world's most admired
shade solutions —————

Luxaflex[®]



Beauty is in the details

Evo Straight Drop

Luxaflex® has been adding style and sophistication to New Zealand windows since the 1950's.

Our design heritage is founded on innovation for today and tomorrow while taking care to celebrate the beauty in the details. To us, form and function are synonymous. Consistently pushing the boundaries, we are proud to be the market-leaders in daylight regulation and solar heat control solutions.





Evo Side Tension Channel

Evo External Screen System

Sleek and durable, Evo External Screens can maximise the usefulness of balconies and patios by providing protection from solar heat, wind, rain and insects. Offering a full suite of screen systems, the Luxaflex® Evo range offers a common, aesthetically appealing look across all Evo options with a solution to meet every customer's needs.

Evo MagnaTrack

Engineered and tested to handle diverse and unforgiving conditions all year round, the Evo MagnaTrack patented design provides ultra-wide spans and unparalleled strength, making it the most technologically advanced external screen available on the market.

Evo Side Tension Channel

The Evo STC is one of our premium straight drop screens. By retaining the fabric inside the channel it essentially provides full enclosure of an outdoor area, ideal for windy applications and blocking insects from entering the area.

Evo Cable Guide

The Evo Cable Guide allows the screen to be positioned at any height on the drop. It provides a great contemporary aesthetic with its stainless steel cable guides and has minimal interference with your view.

Evo Straight Drop

This is the entry-level version of the Evo range that provides great cover at a lower price. The product is secured to the ground either using locking bolts or a strap. If you have an opening between 2 posts you can also use the locking bolt option at any height by locking the bolts into the posts.

Evo Pivot Arm

The Evo Pivot Arm awning is a multi-functional product that projects off the window to allow protection from the sun whilst also allowing airflow through the window. The product can also be extended to an approximate 75-degree angle that provides similar functionality to a Straight Drop Awning.



Evo MagnaTrack



Evo MagnaTrack

Evo MagnaTrack External Screen

Engineered and tested to handle diverse and unforgiving conditions all year round, the Evo MagnaTrack is the most innovative straight drop screen ever developed. Evo MagnaTrack allows you to enjoy your outdoor space while maintaining sun, wind & rain protection as well as light control and privacy.

Patented System

The technology behind the Evo MagnaTrack lies deep within its patented design and magnet technology. The power of Rare Earth Neodymium Magnets allows the screen to be left down in windy conditions – the first and only in New Zealand.

Ultrawide Spans

Evo MagnaTrack can accommodate widths up to 6.5 metres and drops of 4 metres and is exclusively available with the Luxaflex Spectra Sunscreen - our premium fibreglass core fabric range.

Wind Tested

Luxaflex Evo MagnaTrack has been independently tested to withstand wind pressures up to 185kph for a 3.5m opening width and up to 89kph for a 6.5m opening width, making it New Zealand's strongest, wind tested, straight drop screen system.

Self-Tensioning

The magnetic force in the track system allows the fabric to move while under wind pressure. After the wind subsides, the magnetic bond of the neodymium magnets will automatically re-tension the fabric back to its original appearance – a world first in functionality.

Self-Correcting

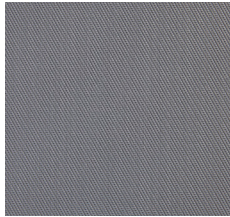
The patented magnet technology allows the fabric skin to effortlessly return into the channel should it ever become dislodged - reducing costly service calls. The self-correcting feature can be done quickly and easily at the touch of a button.

Innovative Design

Evo MagnaTrack is innovatively designed to include features such as the internal headbox roller brush, the heavy duty interlocking keders and the heavy duty bottom rail with a brush system which increases the usability and longevity of your Evo MagnaTrack screen.

Evo MagnaTrack Options

Fabric options

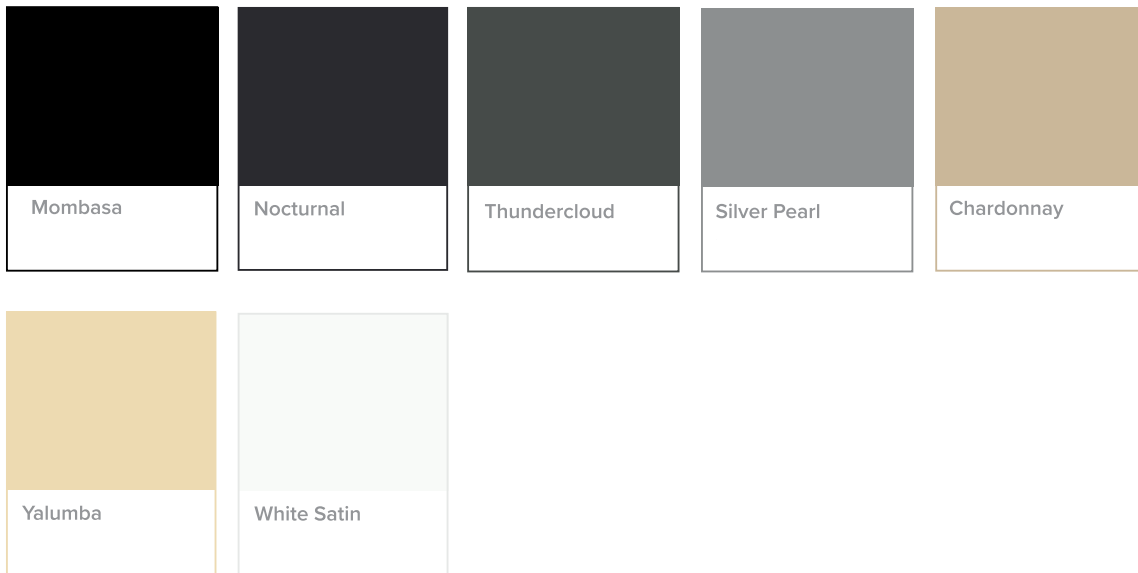


Spectra Fibreglass Sunscreen

Exclusive to Evo MagnaTrack, the Spectra fabric range is made with Enduris™ Glass Core Technology. The fibreglass core provides significantly improved tensile strength over generic polyester core alternatives. Spectra Fibreglass Sunscreen is constructed using a twill weaving technique making the fabric highly durable and fade resistant. Spectra offers excellent solar heat and UV protection from the harsh New Zealand sun, while allowing diffused light to pass through. Spectra Fibreglass Sunscreen is inherently flame resistant and has passed the Fire Retardant Test to AS1530 Part 2 standard, making it suitable for both residential and commercial applications.

Available in both 3% and 1% openness in a range of contemporary colours.

Hardware Colour options



Available in 7 contemporary colours. Custom Powdercoat option is not available. Colours are as close as printing process will allow.

Operating System



Automation

Evo MagnaTrack is exclusively available with a Somfy® motorisation option.

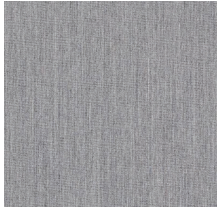
The motor solution allows the screen to be operated at the touch of a button, via a wall switch control, and even phone or voice via Somfy® connexion - giving you the ability to control all Somfy® products, both blinds and awnings, in one app.



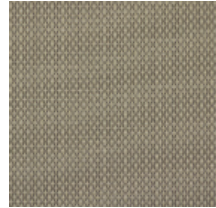
Evo Pivot Arm

Standard Evo Range Options*

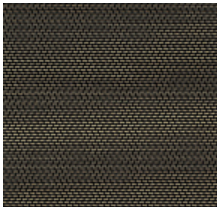
Fabric Options



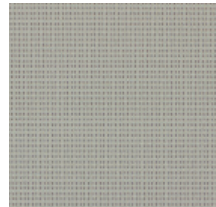
Dickson® Orchestra
Is the awning and marine fabric of choice when it comes to solar protection, guaranteeing excellent, long-term protection against UV rays, heat, glare and inclement weather.



Smart Shade - Sunscreen**
Smart Shade is an exterior sunscreen with a 5% openness factor, providing great strength and stability. It offers effective protection from all-weather circumstances: heat, wind, rain and harmful UV rays.



Smart Shade Plus – Sunscreen**
This exterior sunscreen has a broken twill weave that can protect any outdoor area from heat, UV rays, wind and rain. The dual sided colour combination of this fabric also provides improved visibility with lighter colour options, along with reduced heat gain on darker colour options.



Smart Shade Eco
Smart Shade Eco is a durable exterior sunscreen which allows air flow and lets you see the view. This 2 x 2 basket weave fabric offers effective protection from all New Zealand weather conditions.

**This fabric has passed the Fire Retardant Test to AS1530 Part 2 standard.

Operating Systems



Manual crank
The 9:1 ratio gear ensures easy operation no matter the users' strength and can withstand high wind situations.



Spring operation
Allows the Evo STC to be manually pulled down to the required height and locked off using either the Locking Bolt or Hold Down Clip option. (Only available up to 3500mm wide x 2500mm drop).



Automation
A range of external motor solutions allow the Luxaflex® Standard Evo Range to be operated at the touch of a button or via a wall switch control. Optional accessories include sun and wind sensors, integration into home automation systems providing intelligent External Screen control.

Accessories



Hold down strap*
Hold Down Straps can be used to hold the External Screen down to a railing or floor at various points across the width of the screen giving maximum strength against the elements.



Optional Locking bolts*
Locking Bolts can be used to secure the External Screen at the ends of the Bottom Rail. With the Evo Straight Drop, Locking Bolts can be inserted into a reveal/post or a breaching staple on the ground for the bolt to slide under. Evo STC lock into the side channels for strength and durability.

*Not applicable to Evo MagnaTrack.

Quality Testing for Strength and Durability



Salt spray testing

Testing for corrosion resistance for wet weather.



UV testing

Testing to ensure the colour's fastness when exposed to the damaging UV rays from the sun.



Cycle testing

Luxaflex® products are cycle tested to replicate daily use for a minimum of 7 years.



Solar energy modelling

Awnings provide shade for your windows. This modelling provides savings that are achievable through the use of Evo Awnings on the typical Australian Home.



Wind load pressure testing

The Luxaflex® Evo Awnings range has been tested by an authorised and respected independent organisation to determine the maximum loads the awnings can withstand before signs of distress and ultimate failure. The table below provides a guide for the wind pressure that these awnings can withstand. We recommend awnings are retracted in windy conditions to avoid the potential for damage.



Weight load testing

To ensure strength of all parts.

Screen System	Pressure (Pascal)	Equivalent Wind Speed
Evo MagnaTrack*	2980	185 km/h
Evo STC*	630	85 km/h
Evo Cable Guide	225	67 km/h
Evo Straight Drop	225	67 km/h
Evo Pivot Arm	50	

These results are based on an External Screen size 3300 x 2450mm.

* This result is based on a static wind test on a 3500mm wide screen.



Evo Straight Drop

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The Luxaflex logo is written in a stylized, cursive script font. The word "Luxaflex" is in a dark, bold color, and a registered trademark symbol (®) is located at the top right of the letter "x".