

FLOORING TRADE DEPOT FLOORING SPECIALISTS



AUTEX 
Interior Acoustics

Flooring Trade Depot

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CASCADE HANGING SCREENS



 **CASCADE™**
STATIC SCREENS
DESIGN: S4
COLOURS: GALAXY,
SENADO, ZENITH
& IRONBANK



CASCADE HANGING SCREENS

Open plan environments never need to feel overwhelming as we bring you our most stylish and forward thinking solution to create privacy. Cascade™, just like its name suggests, is a collection of acoustic hanging screens that simply fall from the ceiling in unique patterns designed with your privacy in mind.

Cascade™ Hanging Screens are made using a lightweight semi-rigid acoustic panel with water-cut patterns allowing line of sight to remain, but with a visual sense of division. Our latest system transforms our sustainable, low VOC panels into beautiful suspended screens available in three different styles; Static, Folding and Expanding, all with their own set of patterns to choose from. But don't let this wide range of solutions halt your creativity, as our design team are on hand to turn any of your ideas into reality.

At the heart of Cascade™, just like all our products, is its exceptional acoustic performance. With each style tailored for targeted sound absorption, you can be sure that your offices, meeting areas, breakout spaces and lobbies will feel calm as background chatter melts through each screen.

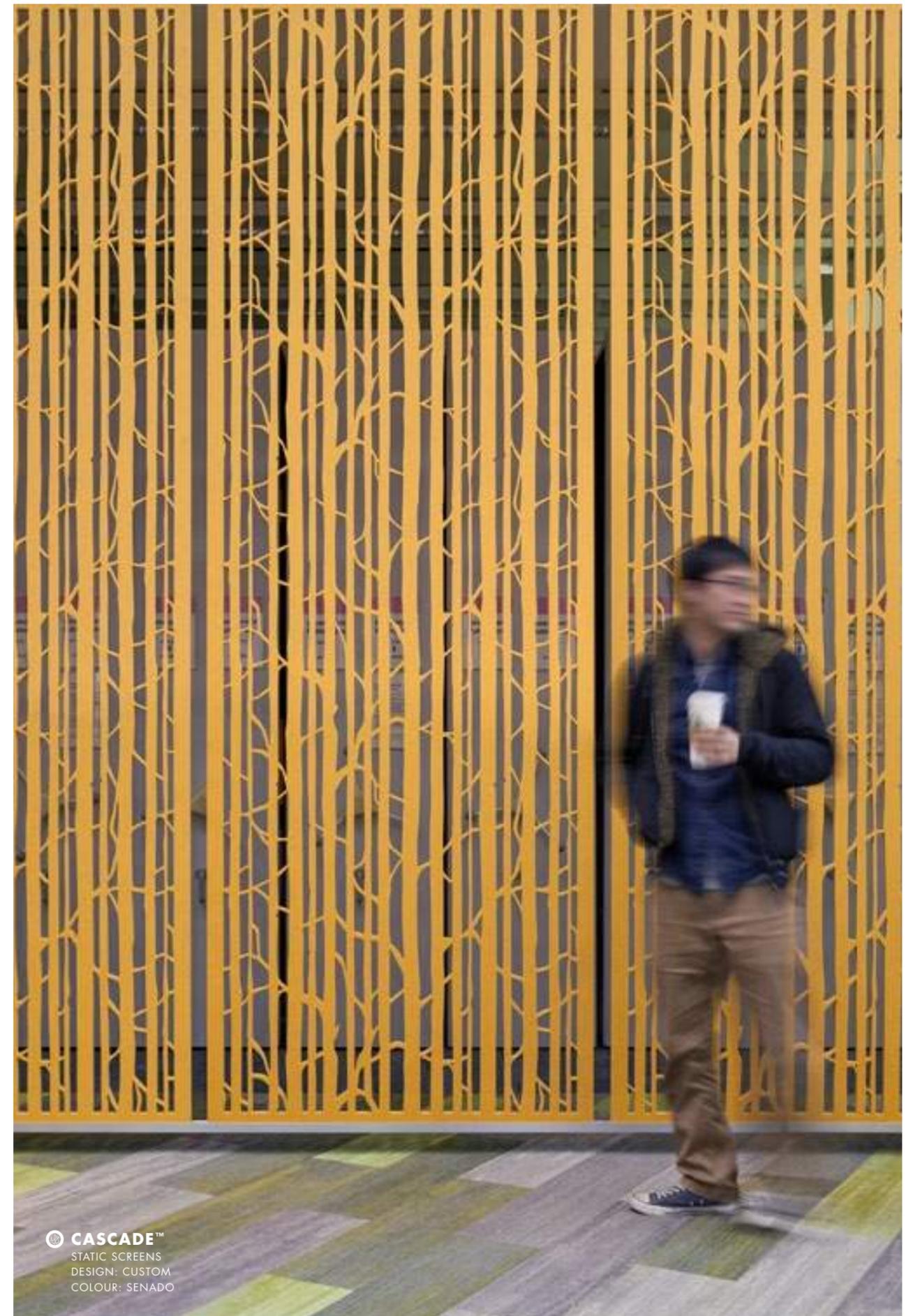
Because we want to make things easy, Cascade™ comes with its own high quality unique fixing system ready for a simple and seamless install. All that's left is for you to pick your favourite.

CASCADE

HANGING SCREENS

FEATURES AND BENEFITS

- Delivers excellent acoustic performance
- A complete system, simple to install straight out of the box
- A wide range of designs and colours
- Lightweight and incredibly easy to handle onsite
- Easily retrofitted to existing spaces
- Semi-permanent so that you can change your space as required
- Environmentally conscious product with recycled material content and no added chemical binders
- Cascade™ is low VOC, non-toxic, non-irritant and non-allergenic and contains no Red List chemicals so you know it's safe and great for indoor environmental quality (IEQ)
- Custom designs available
- Fixed or suspended acoustic partition system, improving your internal environment by lowering reverberation and background chatter
- Creates breakout zones in large open plan areas
- A feature element or a subtle backdrop
- Creates the feel of privacy in open-plan areas
- Easily added in acoustic absorption for reverberant spaces



CASCADE™
FOLDING SCREENS
DESIGN: F3
COLOUR: BOSCO



BETTER ACOUSTICS

Acoustic absorption in open plan spaces is often forgotten but when properly considered will ensure spaces are fit for purpose and enhance speech intelligibility, increase attention spans and productivity.

Cascade™ Hanging Screens is the latest addition to our acoustic interiors range. It was created to introduce acoustic absorption whilst providing a means to visually divide a space.

Adding Cascade™ Hanging Screens increases the surface area of absorptive material in turn reducing sound reflections and background chatter. Cascade™ by Autex fuses great design with excellent acoustic performance, enhancing the way we live, work and play within our built environment.

CASCADE™

HANGING SCREENS

Cascade™ is a range of hanging screens created to easily add a design feature, create a feel of separation or privacy, whilst helping control noise within open plan spaces. We have released 3 designs; Static, Folding and Expanding, using a 12mm Cube™ acoustic panel matched with our channel and suspension system. What makes Cascade™ unique is the patented designs of both Folding and Expanding screens which pull and push apart to create the pattern without any cut out pieces going to waste. This allows half the material to go twice the distance, continuing our commitment to push innovation while being mindful of the environment.

 **CASCADE™**
EXPANDING SCREENS
DESIGN: E3
COLOUR: FALLING WATER



CASCADE™
EXPANDING SCREENS
DESIGN: E4
COLOUR: BOSCO, FALLING
WATER, SENADO & ZENITH

CASCADE™

EXPANDING SCREENS

Cascade Expanding Screens are a world first in forward-thinking and space-saving acoustic design. We have developed an acoustic expanding mesh that allows intricate and modern designs to come to life, as sections of a solid panel simply pull apart while others stay together. A single panel can grow up to 100% in width through geometric action to present a truly unique and functional division of space.

At the heart of our product is one of our founding values; limiting our waste and impact on the environment. As Cascade Expanding Screens use a kinetic pattern with cuts rather than 'cut-outs', every part of the panel is utilised to enhance both the aesthetic and acoustic performance. We make a little go a long way, which is good for our environment, and for the sound control of your space.

Patented design means you won't find anything like it anywhere in the world.

PATENT

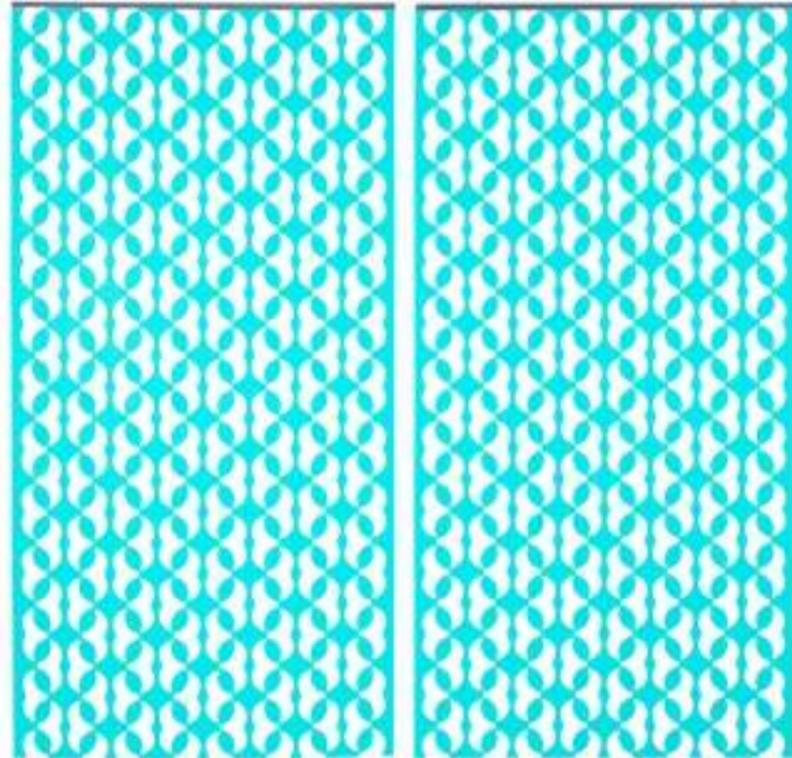
US Patent 10,184,249

PATENT PENDING FOLDING AND EXPANDING DESIGN

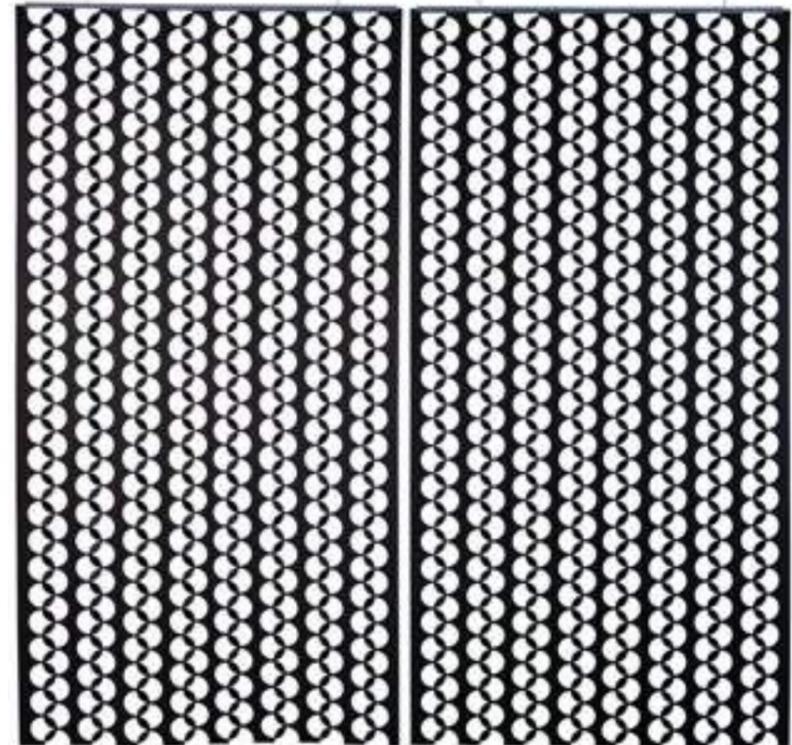
NZ 727634 | AU 2016273959 | GB 1621613.7

EXPANDING DESIGN OPTIONS

PACK CONTENTS 2 CASCADE EXPANDING SCREENS, 2 FRONTIER CHANNELS,
4 CEILING CONNECTORS, 4 1M WIRES, 4 AUTEX SUSPENSION SLIDERS



DESIGN E1 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE



DESIGN E2 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE

EXPANDING DESIGN OPTIONS

PACK CONTENTS 2 CASCADE EXPANDING SCREENS, 2 FRONTIER CHANNELS,
4 CEILING CONNECTORS, 4 1M WIRES, 4 AUTEX SUSPENSION SLIDERS



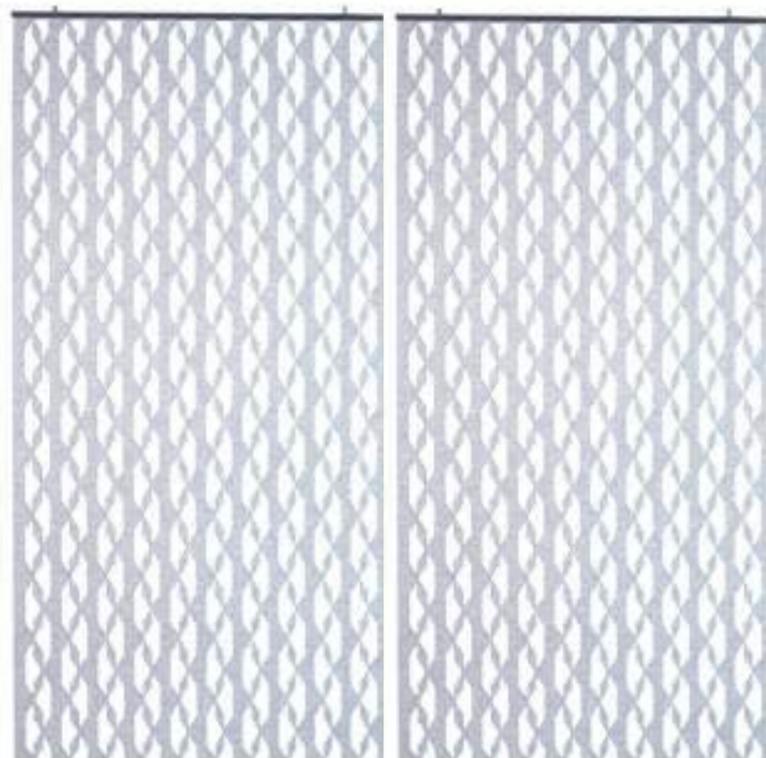
DESIGN E3 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE



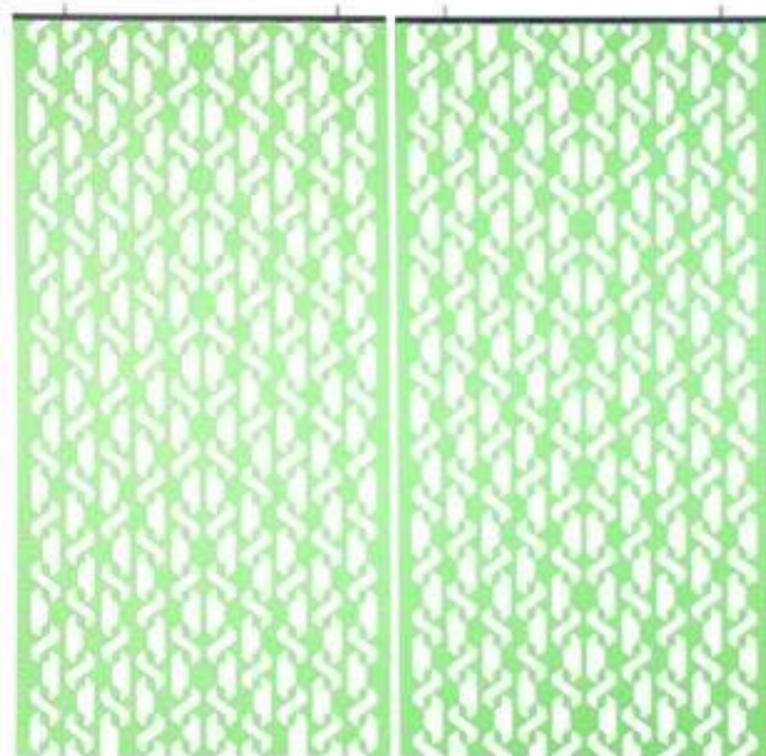
DESIGN E4 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE

EXPANDING DESIGN OPTIONS

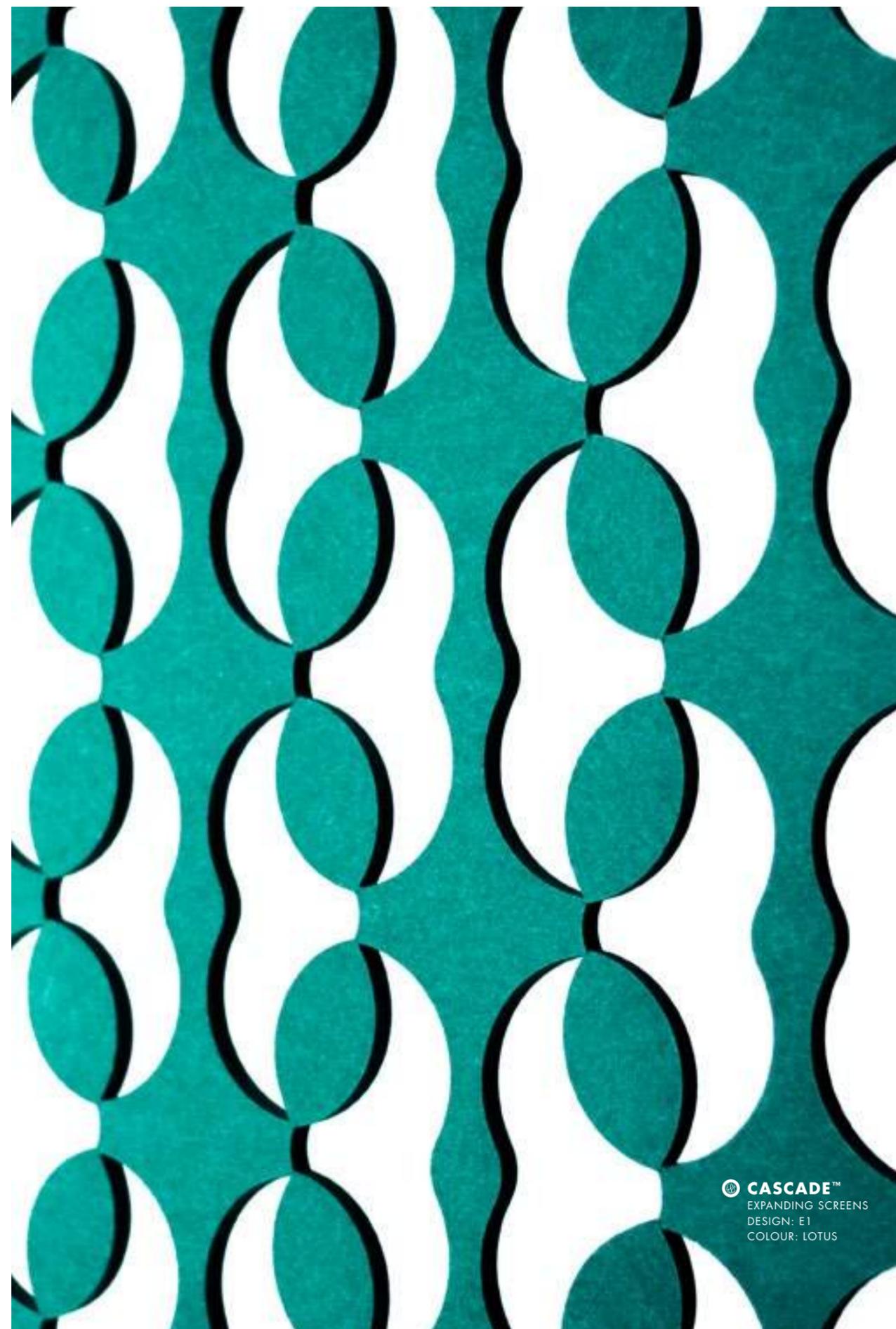
PACK CONTENTS 2 CASCADE EXPANDING SCREENS, 2 FRONTIER CHANNELS,
4 CEILING CONNECTORS, 4 1M WIRES, 4 Autex SUSPENSION SLIDERS



DESIGN E5 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE



DESIGN E6 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE



CASCADE™
EXPANDING SCREENS
DESIGN: E1
COLOUR: LOTUS

CASCADE™
FOLDING SCREENS
DESIGN: F6
COLOUR: PETRONAS



CASCADE™

FOLDING SCREENS

Cascade™ Folding Screens are designed with carefully placed cuts to create texture and volume in never seen before 3D patterns. With geometric patterns that include clever hinges, shapes can simply fold forward or back to create depth, bringing a once static screen to life while strengthening the acoustic effect.

At the heart of our product is one of our founding values; limiting our waste and impact on the environment. Just like our Expanding Screens, Folding Screens utilise every part of the panel, leaving a multitude of surfaces for sound to simply melt into. We basically make a little go a long way, which is good for our environment, and for the sound control of your space.

Patented design means you won't find anything like it anywhere in the world.

PATENT

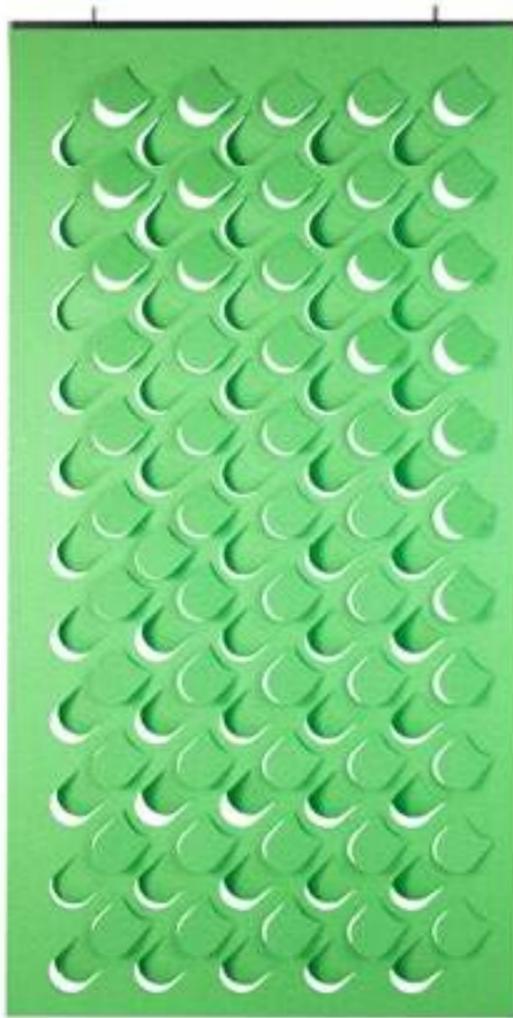
US Patent 10,184,249

PATENT PENDING FOLDING AND EXPANDING DESIGN

NZ 727634 | AU 2016273959 | GB 1621613.7

FOLDING DESIGN OPTIONS

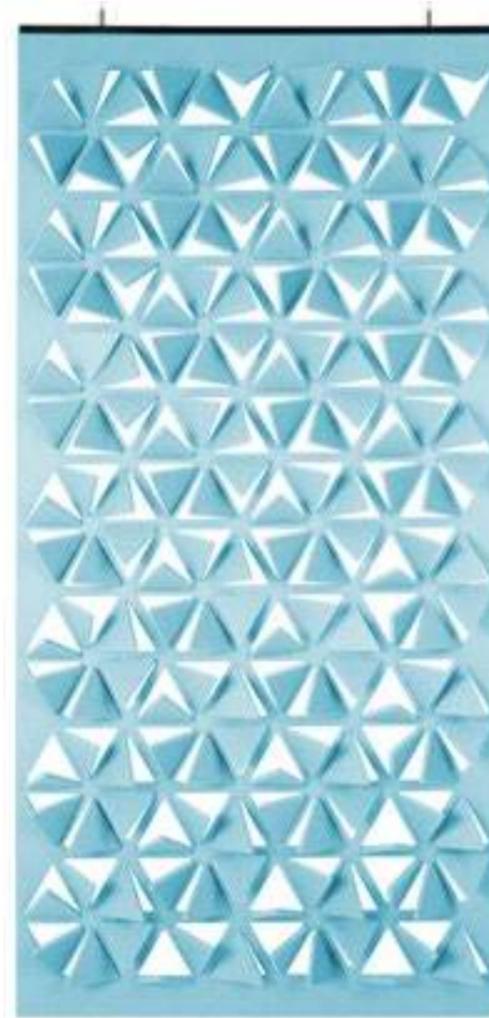
PACK CONTENTS 1 CASCADE FOLDING SCREEN, 1 FRONTIER CHANNEL, 2 CEILING CONNECTORS, 2 1M WIRES, 2 Autex SUSPENSION SLIDERS



DESIGN F1 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE



DESIGN F2 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE



DESIGN F3 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE



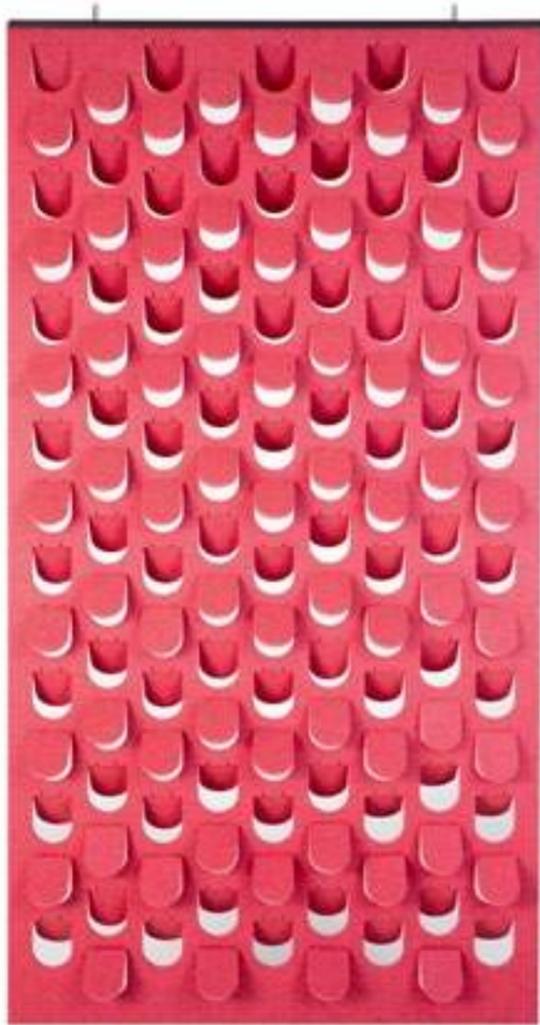
DESIGN F4 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE

FOLDING DESIGN OPTIONS

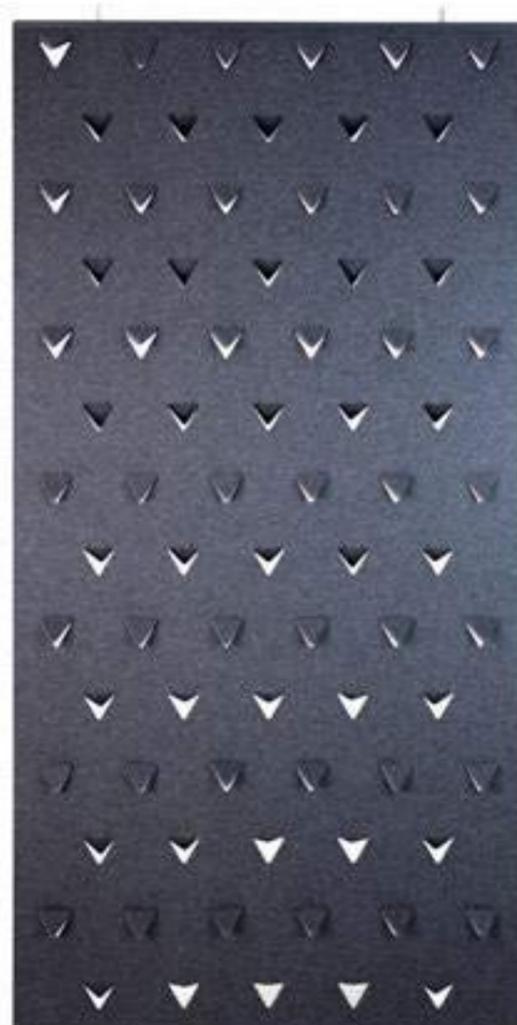
PACK CONTENTS 1 CASCADE FOLDING SCREEN, 1 FRONTIER CHANNEL, 2 CEILING CONNECTORS, 2 1M WIRES, 2 Autex SUSPENSION SLIDERS

FOLDING DESIGN OPTIONS

PACK CONTENTS 1 CASCADE FOLDING SCREEN, 1 FRONTIER CHANNEL, 2 CEILING CONNECTORS, 2 1M WIRES, 2 Autex SUSPENSION SLIDERS



DESIGN F5 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE



DESIGN F6 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE



DESIGN F7 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE



DESIGN F8 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE

FOLDING DESIGN OPTIONS

PACK CONTENTS 1 CASCADE FOLDING SCREEN, 1 FRONTIER CHANNEL, 2 CEILING CONNECTORS, 2 1M WIRES, 2 Autex SUSPENSION SLIDERS

FOLDING DESIGN OPTIONS

PACK CONTENTS 1 CASCADE FOLDING SCREEN, 1 FRONTIER CHANNEL, 2 CEILING CONNECTORS, 2 1M WIRES, 2 Autex SUSPENSION SLIDERS



DESIGN F9 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE





CASCADE™
STATIC SCREENS
DESIGN: S18
COLOUR: SENADO

CASCADE™

STATIC SCREENS

We have collated our best hanging screen designs to bring you this eclectic range of effective screens for creating privacy. You can choose the level of division and line of sight best suited to your space by selecting from our wide range of geometric cut-outs. With a simple 2D effect, Static Screens perfectly blend into your current space without feeling intrusive, giving you an acoustic application that performs exceptionally and looks great too.

STATIC DESIGN OPTIONS

PACK CONTENTS 1 STATIC SCREEN, 1 FRONTIER CHANNEL, 2 CEILING CONNECTORS, 2 1M WIRES, 2 AUTEX SUSPENSION SLIDERS



DESIGN S1 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE



DESIGN S2 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE



DESIGN S3 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE



DESIGN S4 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE



DESIGN S5 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE



DESIGN S6 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE

STATIC DESIGN OPTIONS

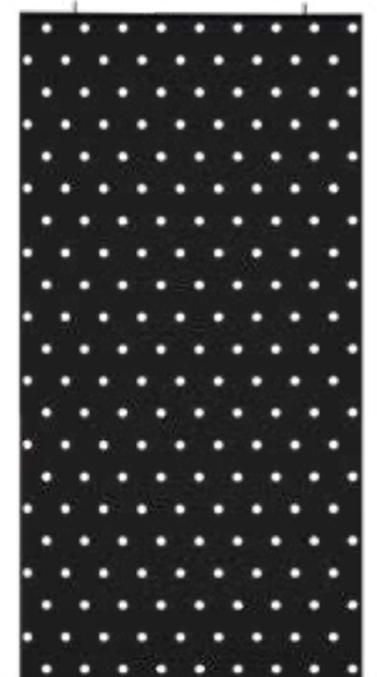
PACK CONTENTS 1 SCREEN, 1 FRONTIER CHANNEL, 2 CEILING CONNECTORS, 2 1M WIRES, 2 AUTEX SUSPENSION SLIDERS



DESIGN S7 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE



DESIGN S8 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE



DESIGN S9 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE



DESIGN S10 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE



DESIGN S11 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE



DESIGN S12 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE

STATIC DESIGN OPTIONS

PACK CONTENTS 1 STATIC SCREEN, 1 FRONTIER CHANNEL, 2 CEILING CONNECTORS, 2 1M WIRES, 2 Autex SUSPENSION SLIDERS



DESIGN S13 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE



DESIGN S14 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE



DESIGN S15 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE



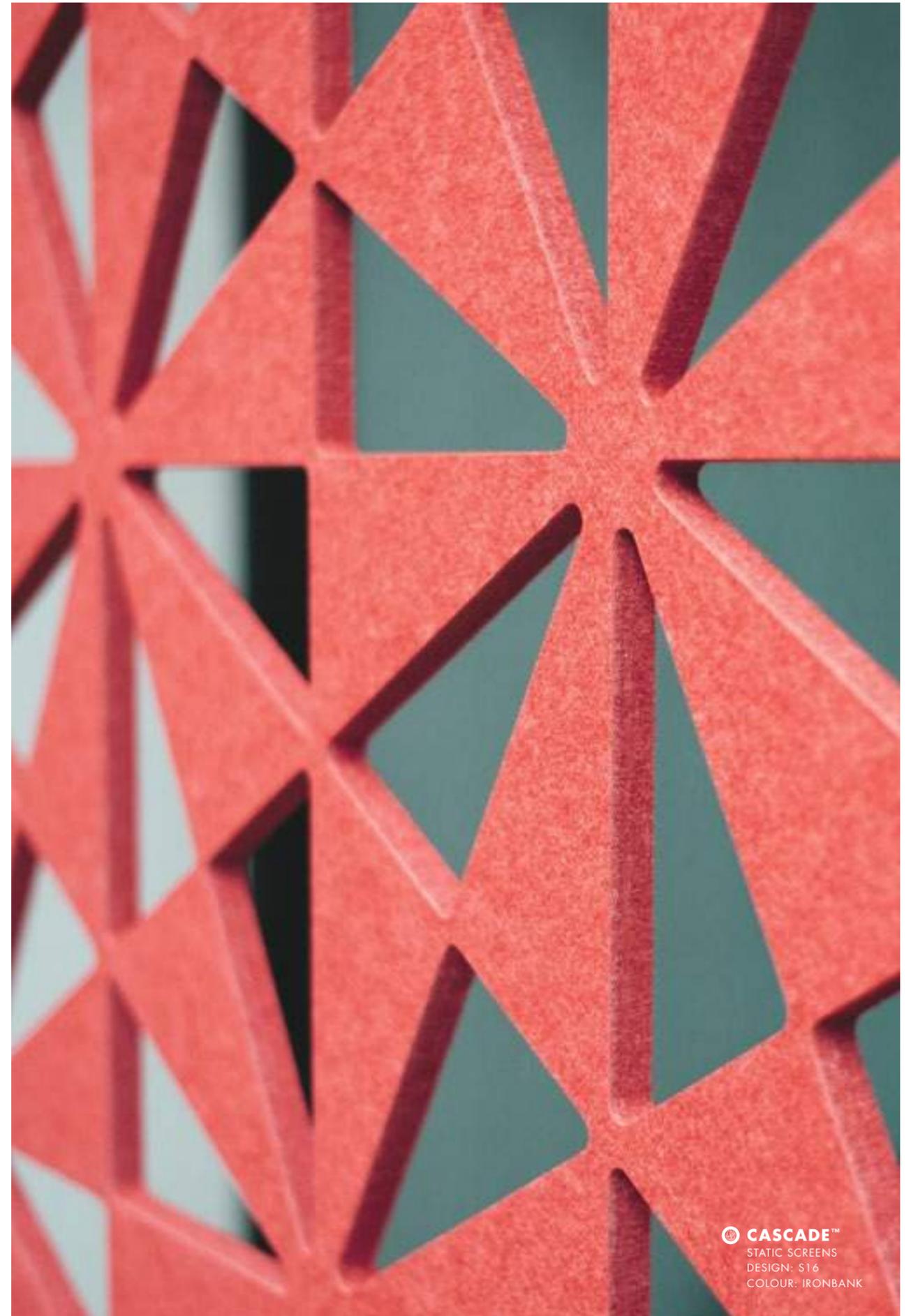
DESIGN S16 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE



DESIGN S17 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE



DESIGN S18 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE



CASCADE™
STATIC SCREENS
DESIGN: S16
COLOUR: IRONBANK

CASCADE™

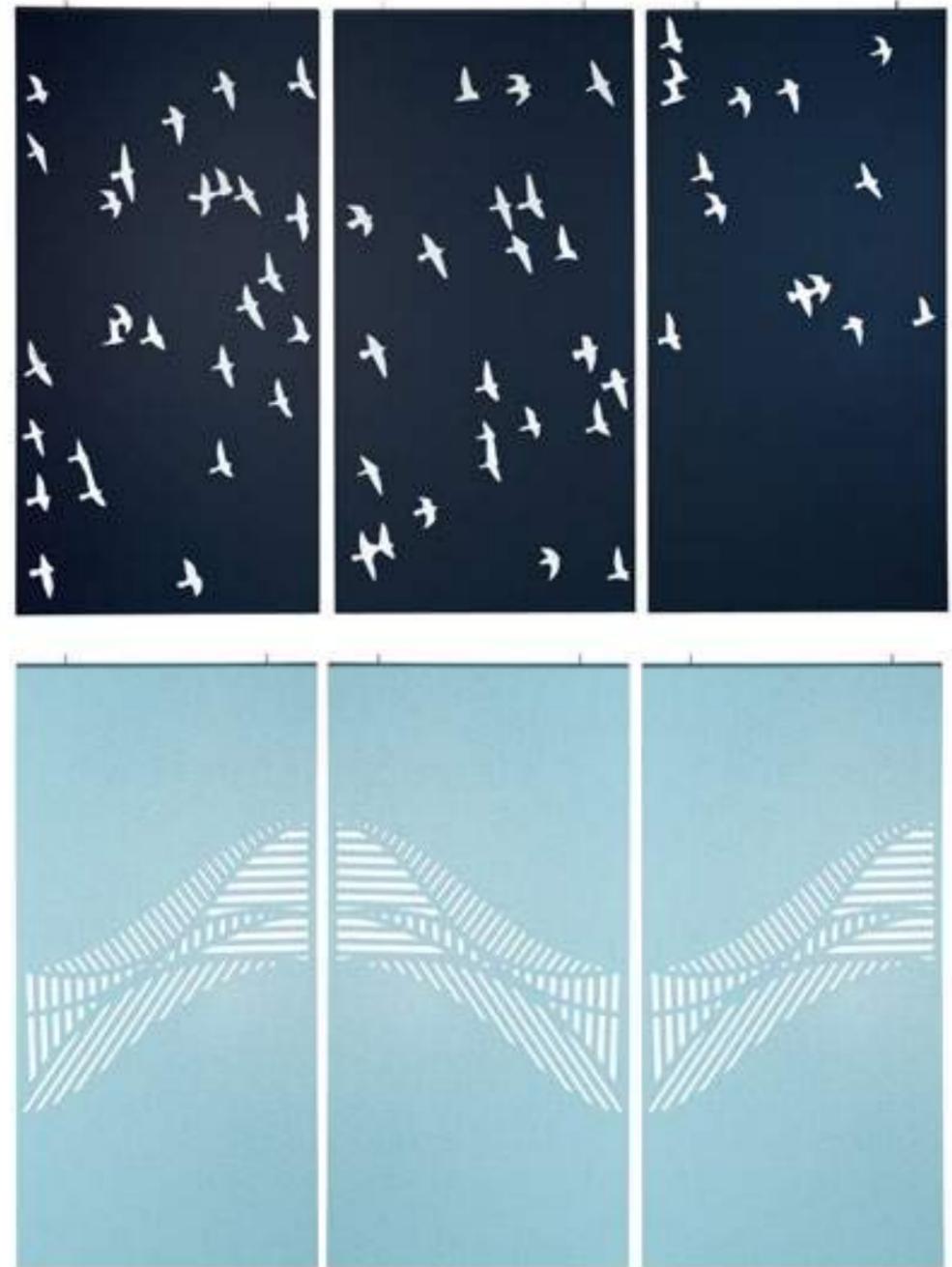
CUSTOMISATION

We know that no two projects are exactly the same, so why should the products or services going into them be?

This is why we are proud of our ability to customise any of our products to suit your needs. Being manufacturers, engineers and creatives, we have the capacity to transform, cut, mould, or build our products to create acoustic solutions truly unique to you and your space. If you have an idea, let's work together to make it happen.

If you want to customise Cascade™ for your next project, get in touch with your Autex account manager or visit our website www.autexindustries.com/contact-us

CUSTOM DESIGN EXAMPLES





CASCADE™
STATIC SCREENS
DESIGN: S13
COLOUR: IRONBANK

COLOUR OPTIONS



MOQ's apply to some colours. To find out more, or to order a sample, please contact your Account Manager or visit our website.

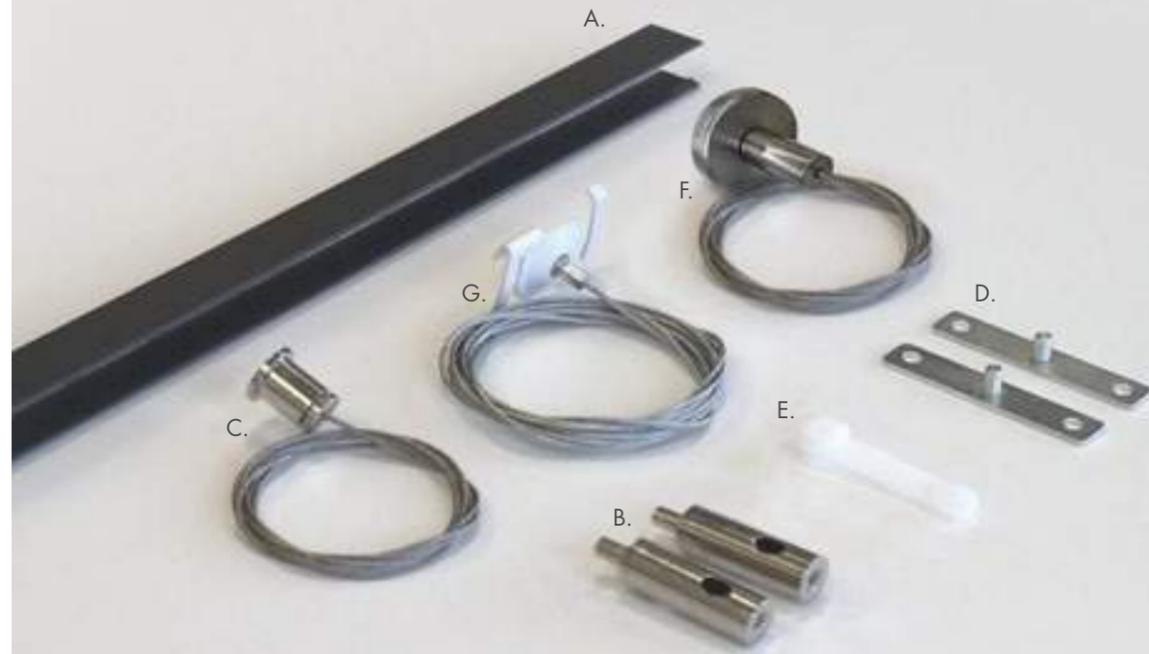
CASCADE™
STATIC SCREENS
DESIGN: S4
COLOURS: SENADO,
ZENITH & IRONBANK



SUSPENSION KIT

We find that despite the many installation options for Cascade™ the most popular is to suspend the screen from above. When you order Cascade™ (unless additional pieces are ordered) you will receive 1 standard suspension kit which supports top suspension. Below is a breakdown of a standard kit and the additional pieces available to support the different techniques. Under each installation method on the following page are the suspension kit pieces required.

Expanding Screens when closed, are half the size of our Folding and Static Screens, this means when ordering Expanding Screens you will get 2 screens per box and 2 standard suspension kits supporting top suspension. If in doubt give us a call and we will help detail your order to make sure it's all correct on site for a seamless install.



PARTS SUPPLIED PER SCREEN

Frontier™ Channel (A)
Part Number: RAFNEXPC1212

Attachment Set (B,2xC,D)
Part Number: RAHVAS

ADDITIONAL PARTS

Clips (E)
Part Number: RAFTCC

Suspension Magnet (F)
Part Number: RAMALS1

Ceiling Grid Hanger (G)
Part Number: RADCLS12



**SUSPENDED TOP
FREE HANGING BASE**

**NO ADDITIONAL
PARTS REQUIRED**



**SUSPENDED TOP
SUSPENDED BASE**

**ADDITIONAL PARTS REQUIRED
(Per Screen)**

1 RAFNEXPC1212
1 RAHVAS

*Does not apply to design S8



**SUSPENDED TOP
DIRECT FIXED BASE**

**ADDITIONAL PARTS REQUIRED
(Per Screen)**

1 RAFNEXPC1212
3 RAFTCC

*Does not apply to design S8



**DIRECT FIXED TOP
SUSPENDED BASE**

**ADDITIONAL PARTS REQUIRED
(Per Screen)**

1 RAFNEXPC1212
3 RAFTCC

*Does not apply to design S8



**DIRECT FIXED TOP
DIRECT FIXED BASE**

**ADDITIONAL PARTS REQUIRED
(Per Screen)**

1 RAFNEXPC1212
6 RAFTCC

*Does not apply to design S8



**DIRECT FIXED TOP
FREE HANGING BASE**

**ADDITIONAL PARTS REQUIRED
(Per Screen)**

3 RAFTCC

CASCADE

HANGING SCREENS

PRODUCT SPECIFICATIONS

Product Name	Cascade™
Composition	100% Polyester Fibre; Aluminium Channel
Panel Dimensions	1200mm x 2400mm
Tolerance	(+/-6%)
Thickness	12mm
Weight	2300 GSM

ACOUSTIC PERFORMANCE

Cascade™ is specifically designed to reduce and control reverberated noise (echo) in building interiors.

INSTALLATION

Install as per Autex recommendations. Install instructions are included in each pack or available on the website.

FIRE RATING

Cascade™ is a value-added product made from Autex Cube™ as the base material. Cube™ has been evaluated using the following test methods:

ISO 9705: 1993

Classification: Group 1-S
Smoke Production Rate: <5.0m²/s
As required by NZBC C/VM2

AS ISO 9705 - 2003

Australian Group Number: Group 1
SMOGRARC: less than 100m²/s²
Assessed using methodology AS ISO 9705:2003 in accordance with AS5637.1:2015 as required by BCA Specification C1.10-4 FI 4974 dated 16th September, 2012 and FAR 4055-2 dated 8th October, 2013

EN13501-1:2007+A1:2009

B - s2, d2
WF 336911 dated 25th February, 2014

ASTM E-84-15a

Class A, FS:0 - SD:45
RJ4479-2 dated 25th January, 2016

VOC EMISSIONS

Autex polyester has been tested for chemical emissions in accordance with ASTM D5116 and is considered as a low VOC product. VOC concentration: 0.009 mg/m³ (7 days).

WATER VAPOUR SORPTION

ASTM C1104 / C1104M-13a
Test conditions: 49°C, 95%RH
Water vapour absorbed and adsorbed after 4 days: 0.4% by weight.

MICROBIAL RESISTANCE

ASTM G21-15
Growth Rating: 0 (No growth)
Cascade™ does not promote the growth of mould and mildews.

COLOUR FASTNESS TO LIGHT

Cascade™ is suitable for indoor use only. Light fastness is dependent on use and exposure. Cascade™ has been evaluated to the following standard:
ISO 105-B02:2014
Rating: 6 (Highest = 7)

COLOUR FASTNESS TO RUBBING

ISO 105-X12:2016
Dry Rating: 4-5 (Highest = 5)
Wet Rating: 4-5 (Highest = 5)

PATTERN REPEAT

Non-woven. No pattern repeat but product has directional grain. Product may vary from samples and batch to batch due to fibre blending and lay-up which is an inherent feature of this product.

FABRIC CARE

Blot spills from fabric quickly. Wipe with a damp cloth. Avoid rubbing and excessive amounts of water as this will affect the finish. Use carpet or upholstery shampoo as directed. Blot with a clean dry cloth after each application of solution.

Custom printed Cube™ requires the services of a specialist cleaning company. Refer to the Cascade™ Cleaning and Maintenance Guide for more information.

ENVIRONMENTAL

Autex is committed to best practice through our ISO 9001 and ISO 14001 certified Quality and Environmental Management Systems.

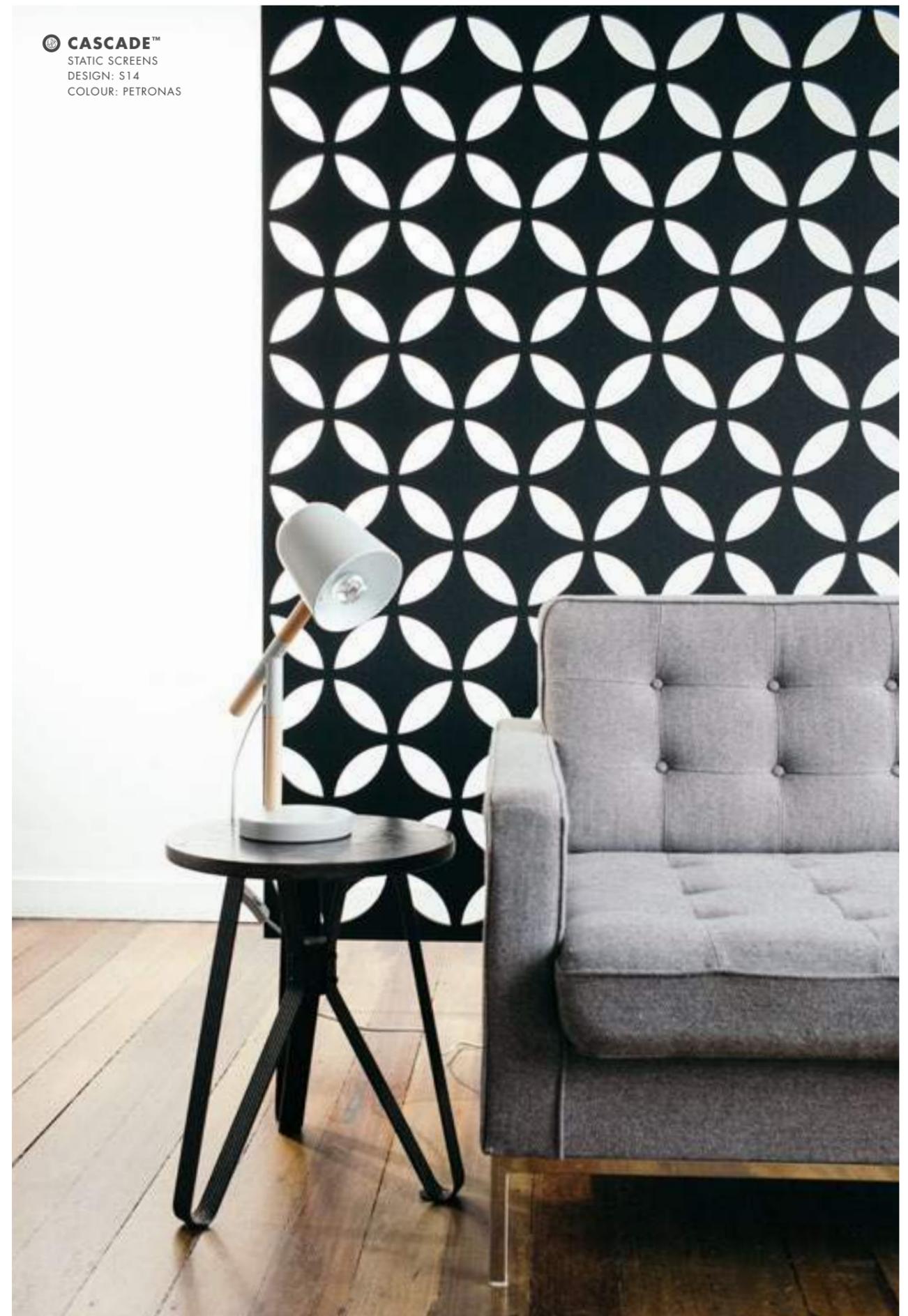
Autex Cascade™ contains a minimum of 45% previously recycled polyester fibre (from PET bottle-flake). Off-cuts and manufacturing waste are re-used or recycled wherever possible.

Autex Cascade™ is manufactured from 100% polyester fibres and does not contain formaldehyde binders. Autex polyester fibres support safer indoor air quality and will not become a potential airborne pollutant.

SERVICE

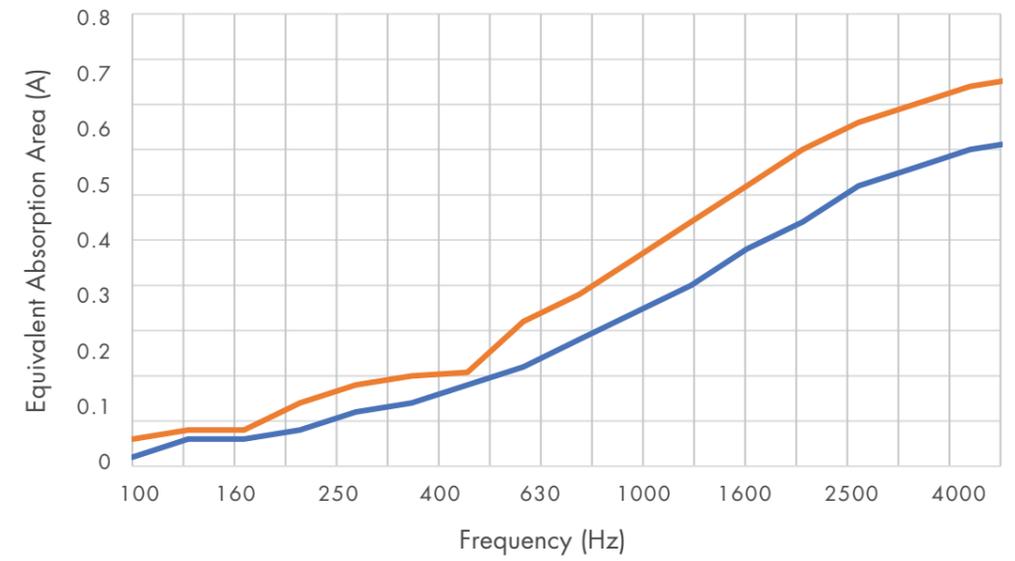
For further information about Cascade™, Autex Cube™ or any other product, please contact your Autex account manager or visit our website.

CASCADE™
STATIC SCREENS
DESIGN: S14
COLOUR: PETRONAS





EQUIVALENT ABSORPTION AREA ACCORDING TO ISO 354



All results are reported in Metric Sabin - per unit. Equivalent sound absorption area according to ISO 354 Measurement of sound absorption in a reverberation room. Average Absorption (Sabins per unit) calculated at onethird octave bands centred on 250 Hz, 500 Hz, 1000 Hz and 2000 Hz. and rounded to the nearest 0.05.

DESCRIPTION	University of Auckland Test report number	FREQUENCY (Hz)						Metric Sabine Per Unit
		125	250	500	1000	2000	4000	
Cascade™ Static 12mm	T1730-3/4	0.3	0.6	1.2	2.1	3.1	3.6	1.70
Cascade™ Folding/Expanding 12mm	T1730-5	0.4	0.9	1.5	2.7	3.8	4.3	2.25



CARING FOR THE ENVIRONMENT

Cascade™ is manufactured using 100% polyester fibre and contains a minimum of 45% recycled fibre (from PET plastics). Our products are designed to be recycled at the end of their life too.

We use Life Cycle Analysis (LCA) to understand the environmental impacts of our products and set targets to reduce these. All our products have been verified as low VOC and are free from chemical binders making them great for indoor environmental quality (IEQ). We have continual improvement programmes in which we implement a range of initiatives to mitigate the environmental 'hotspots' that we have identified. Our products are GreenRate level A, LCARate Gold and PHD level platinum certified.

Cascade™ is made from Cube™ which is Declaresm certified to be Red List free and can be used in Living Building Challenge projects. Autex has a high functioning Environmental Management System (ISO 14001) to enhance its environmental performance and contribute to sustainable development.



Declare.

