CASCADE HANGING SCREENS

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.
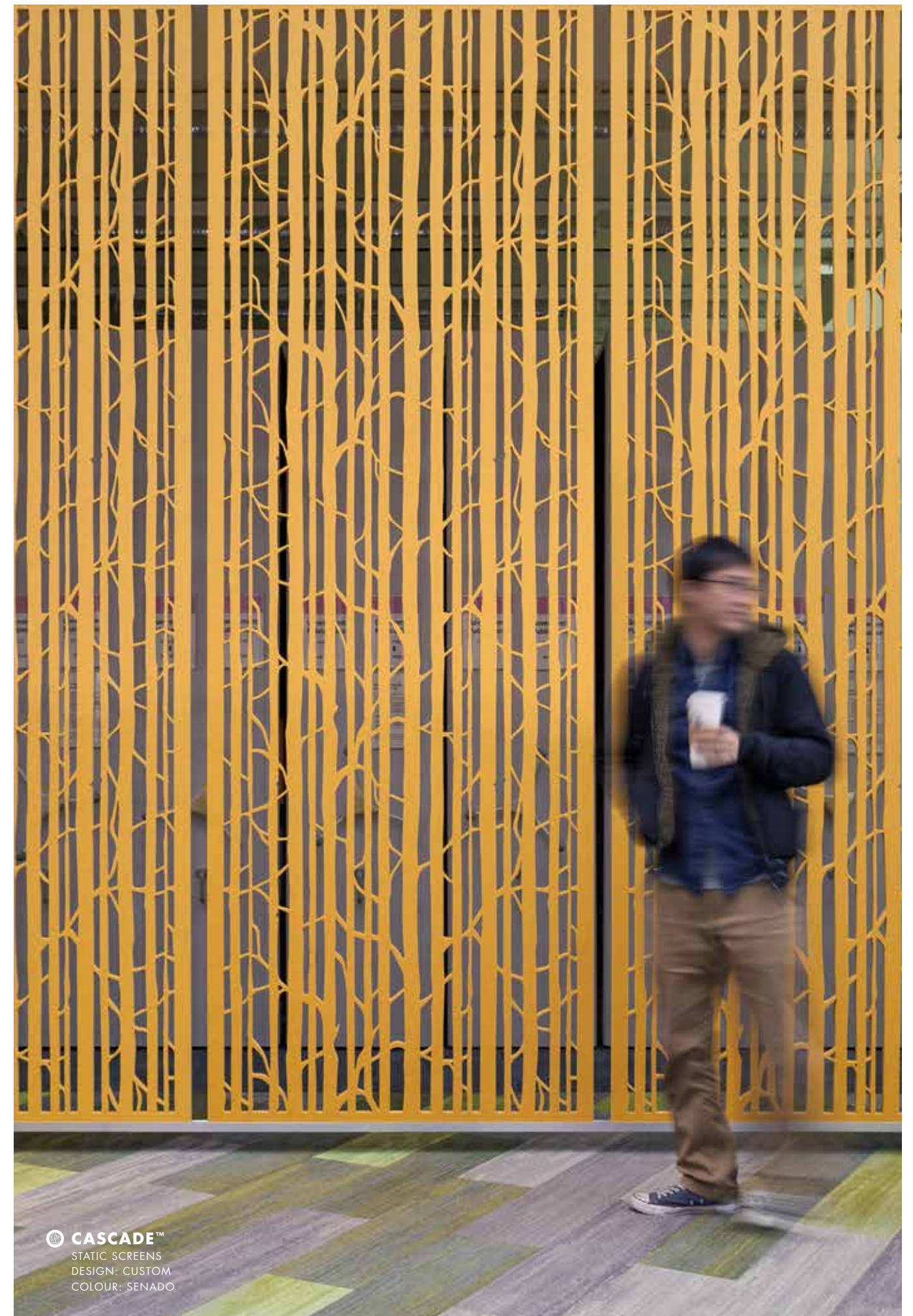
CASCADE
HANGING SCREENS

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™
STATIC SCREENS
DESIGN: CUSTOM
COLOUR: SENADO

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 Frontier™ 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

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.
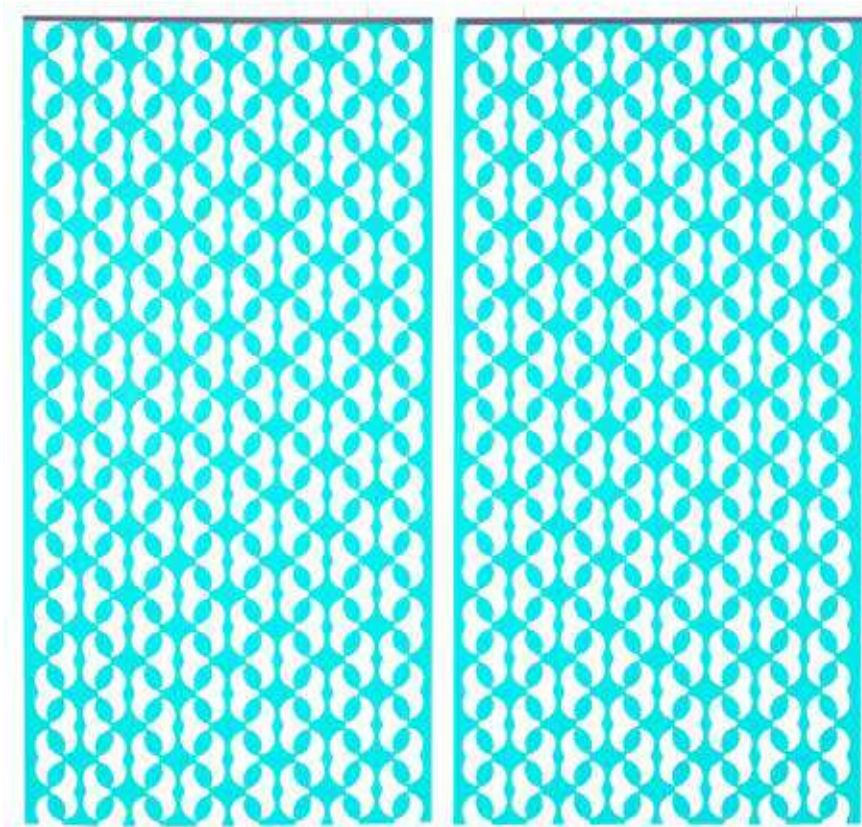
PATENT
US Patent 10,184,249

PATENT PENDING FOLDING AND EXPANDING DESIGN
NZ 727634 | AU 2016273959 | GB 1621613.7

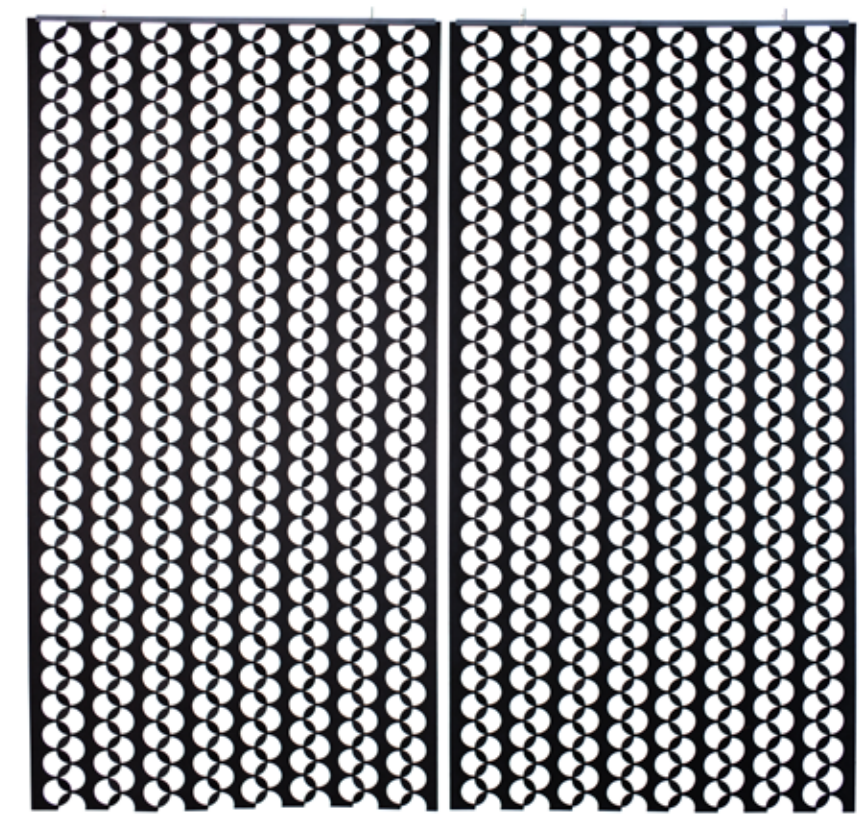**PACK CONTENTS** 2 CASCADE EXPANDING SCREENS, 2 FRONTIER CHANNELS,
4 CEILING CONNECTORS, 4 1M WIRES, 4 AUTEX SUSPENSION SLIDERS

DESIGN E1 **COLOUR** SEE PAGE 33 FOR FULL COLOUR RANGE

DESIGN E2 **COLOUR** SEE PAGE 33 FOR FULL COLOUR RANGE

DESIGN E3 **COLOUR** SEE PAGE 33 FOR FULL COLOUR RANGE
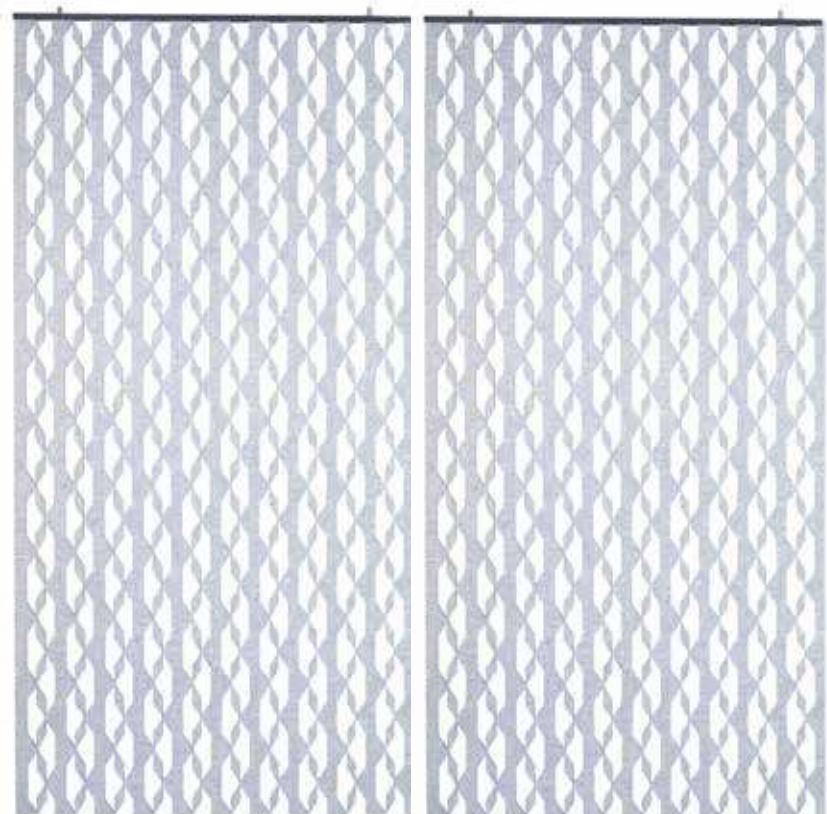
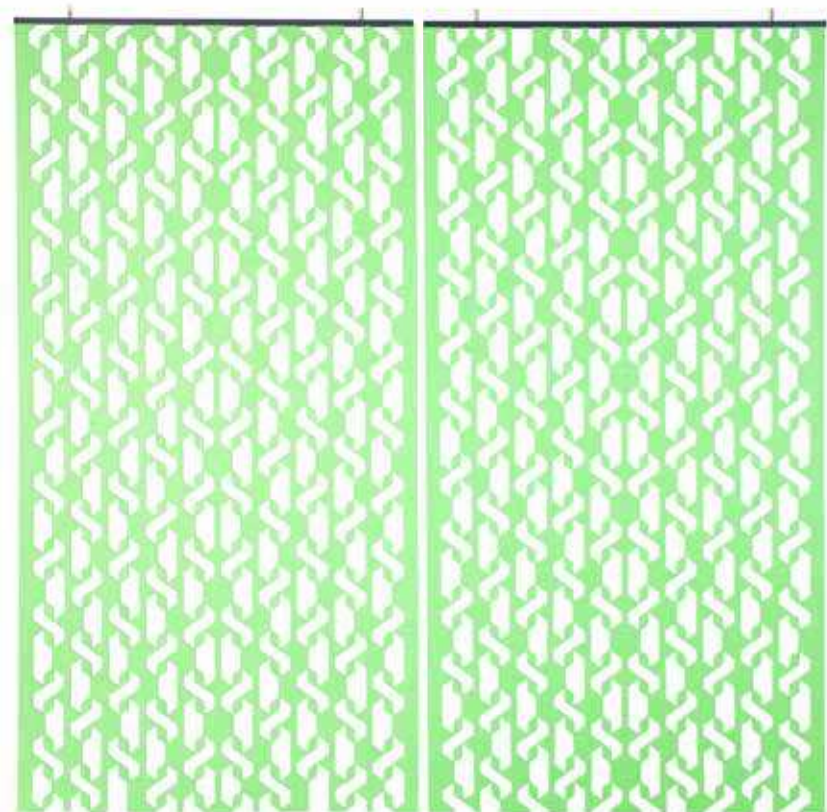**DESIGN** E4 **COLOUR** SEE PAGE 33 FOR FULL COLOUR RANGE
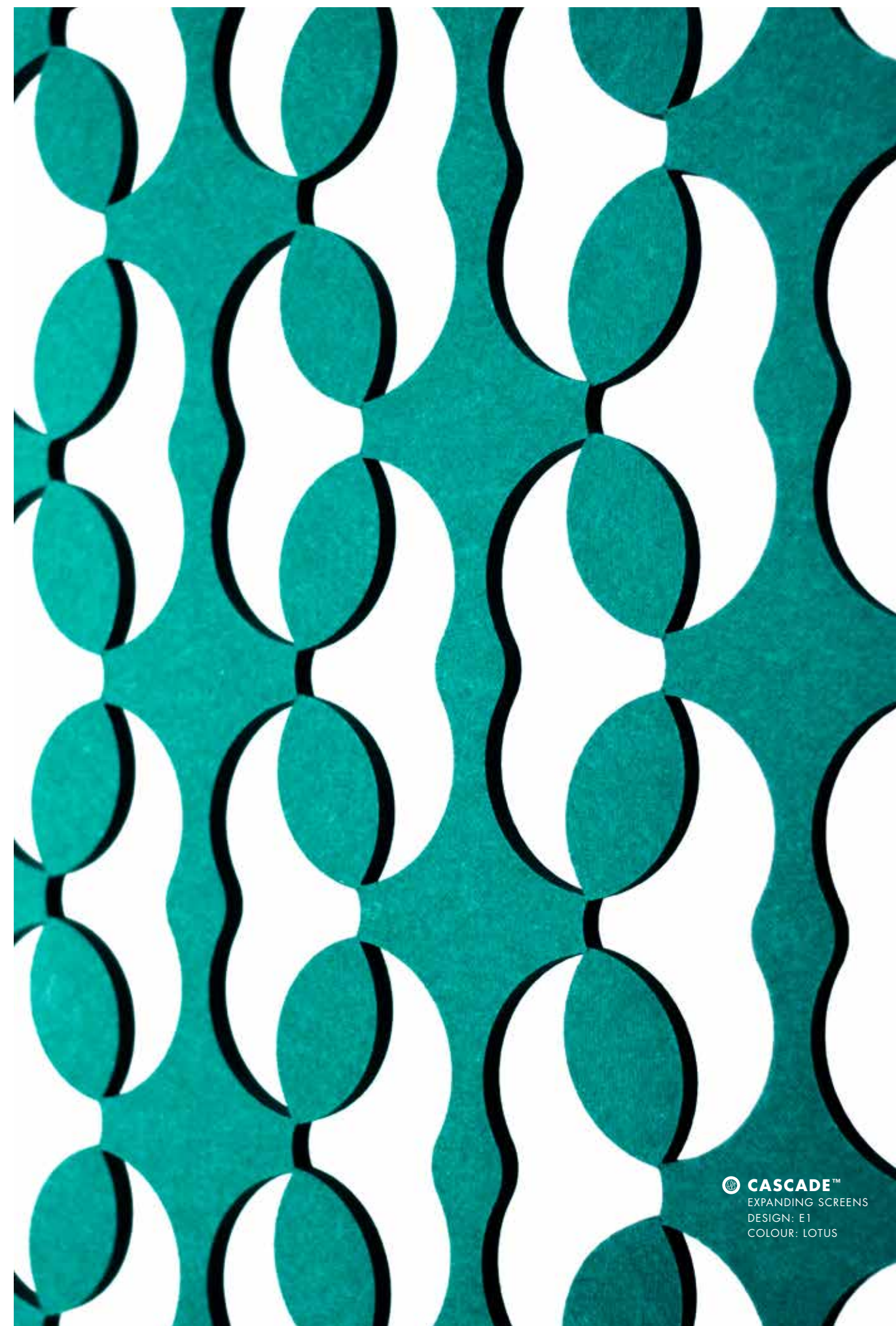
EXPANDING DESIGN OPTIONS

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

*Expanding Screens increase by 100% when fully expanded, therefore two screens are created from one panel of Cube™. Images are shown fully expanded.

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

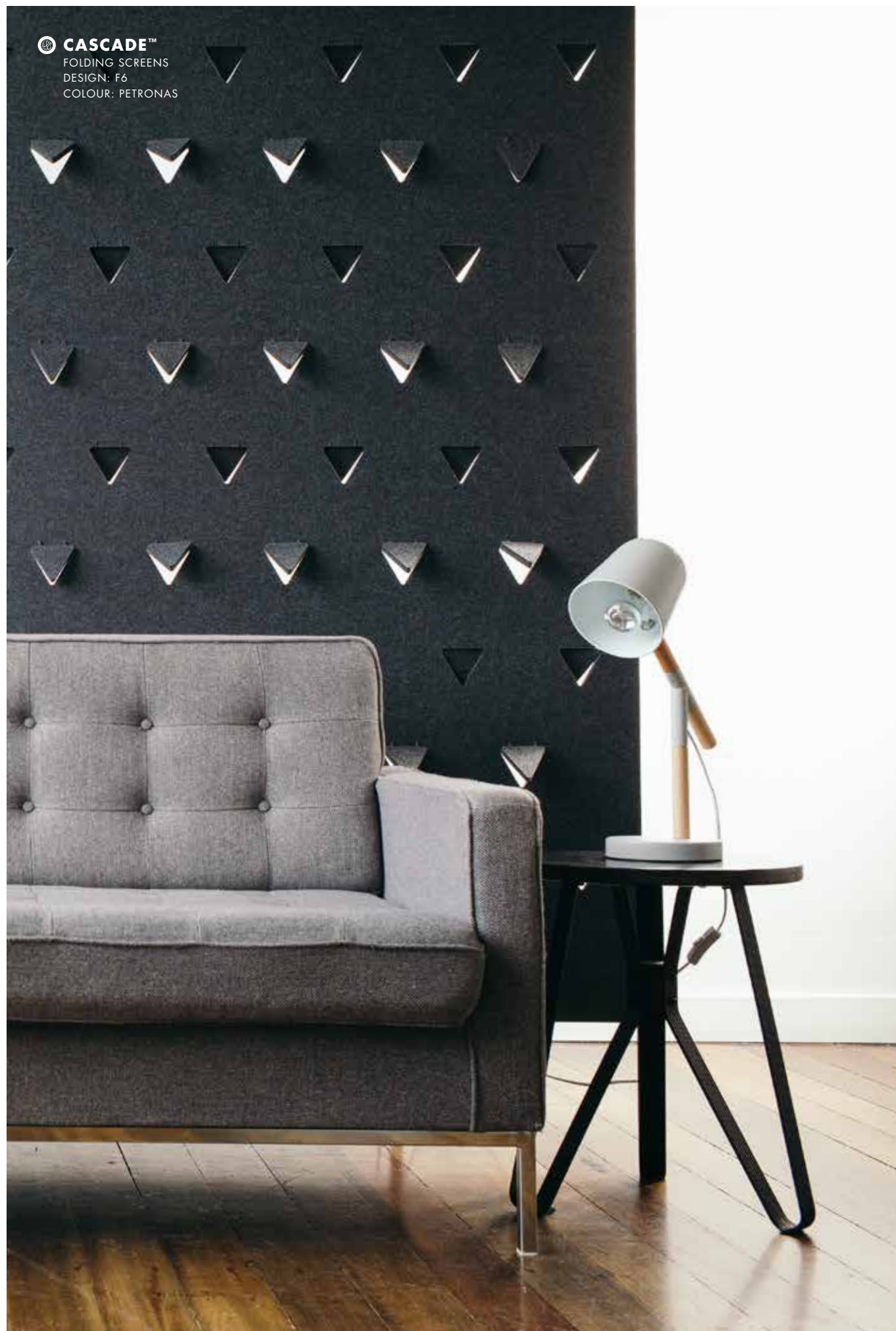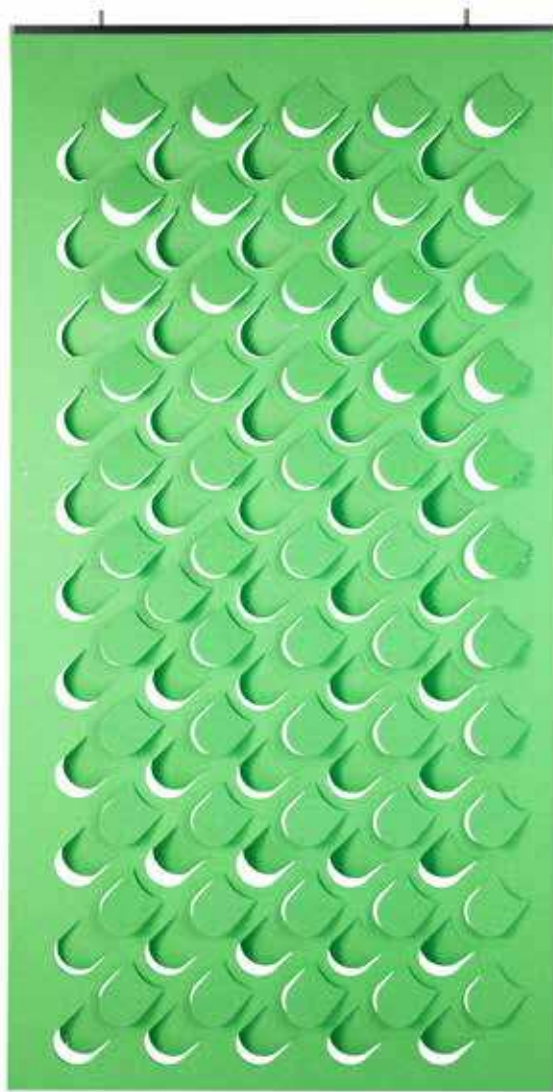**DESIGN** F1 **COLOUR** SEE PAGE 33 FOR FULL COLOUR RANGE

DESIGN F2 **COLOUR** SEE PAGE 33 FOR FULL COLOUR RANGE

FOLDING DESIGN OPTIONS

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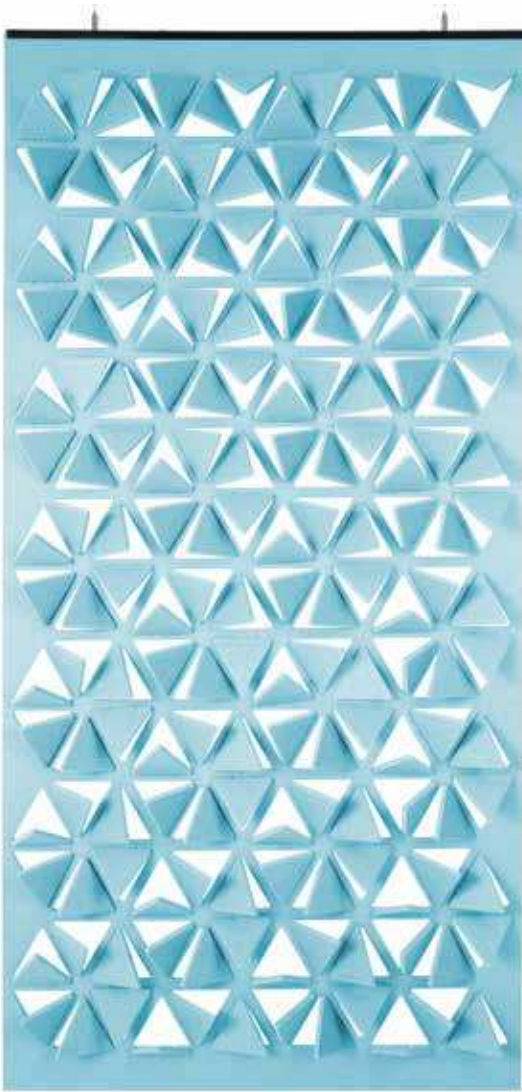2 CEILING CONNECTORS, 2 1M WIRES, 2 AUTEX SUSPENSION SLIDERS

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

DESIGN F5 **COLOUR** SEE PAGE 33 FOR FULL COLOUR RANGE

DESIGN F6 **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

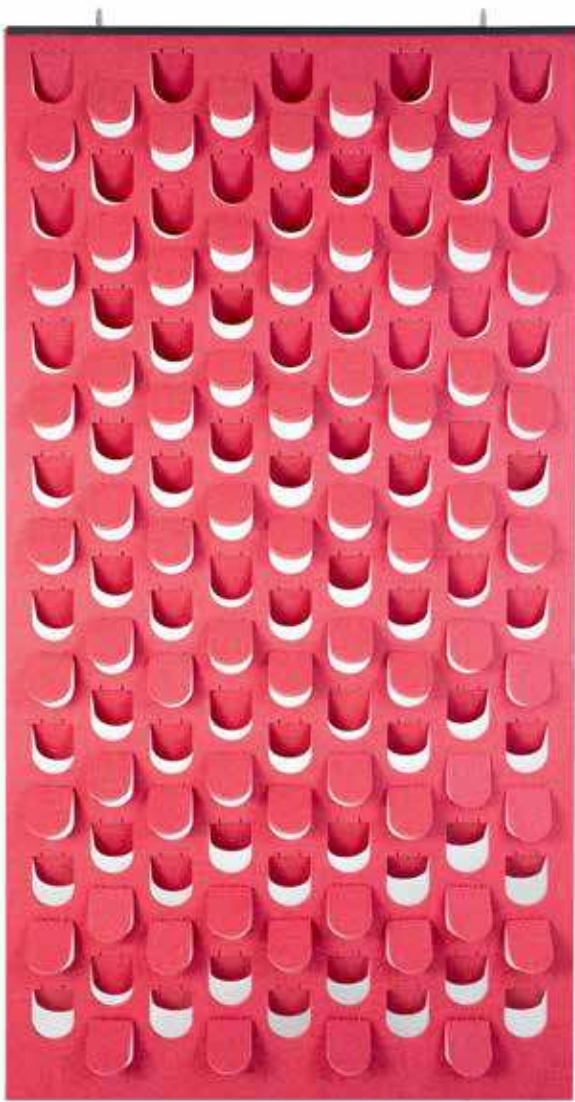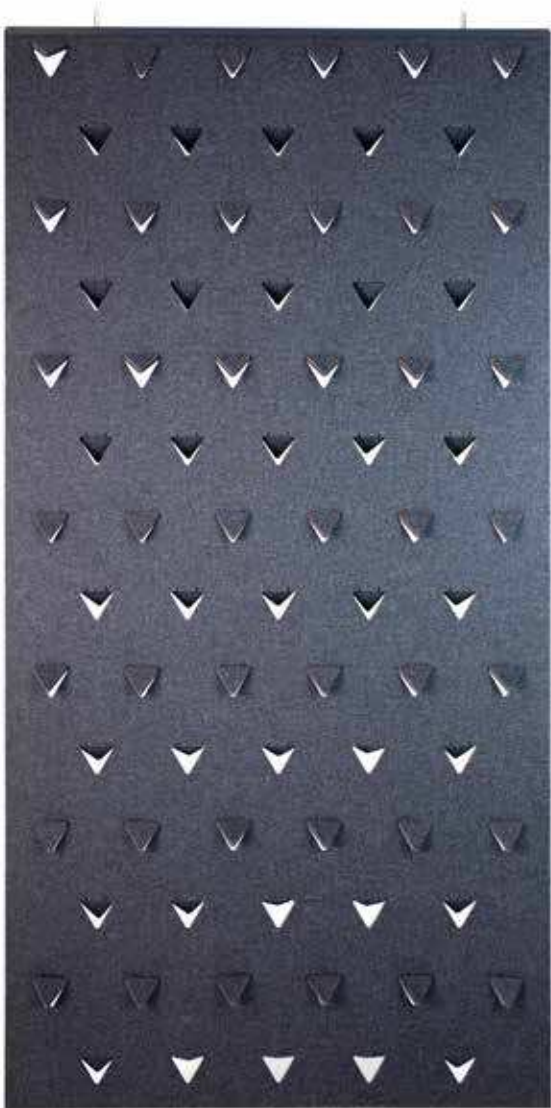**DESIGN** F7 **COLOUR** SEE PAGE 33 FOR FULL COLOUR RANGE

DESIGN F8 **COLOUR** SEE PAGE 33 FOR FULL COLOUR RANGE

FOLDING DESIGN OPTIONS

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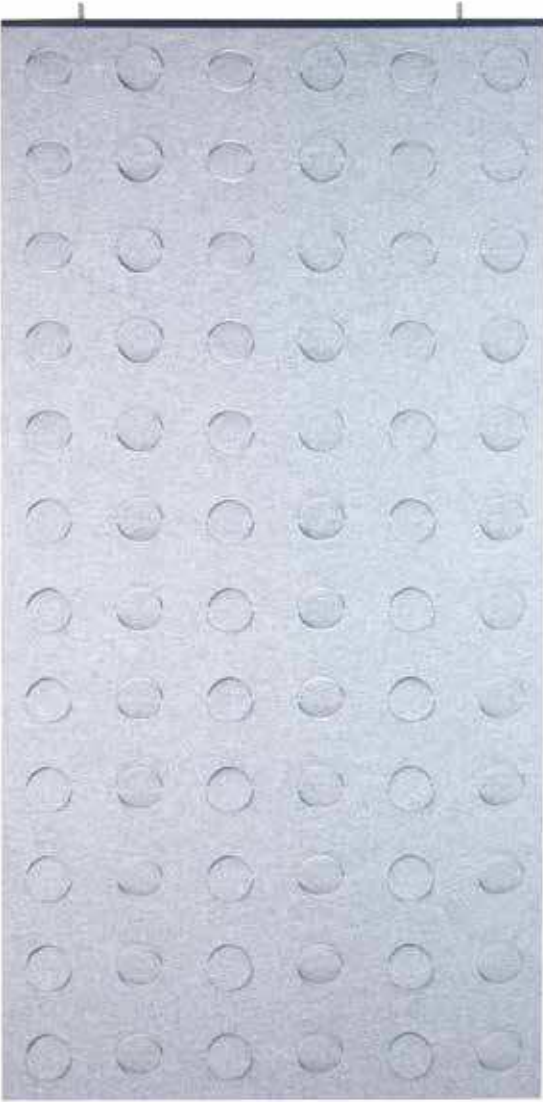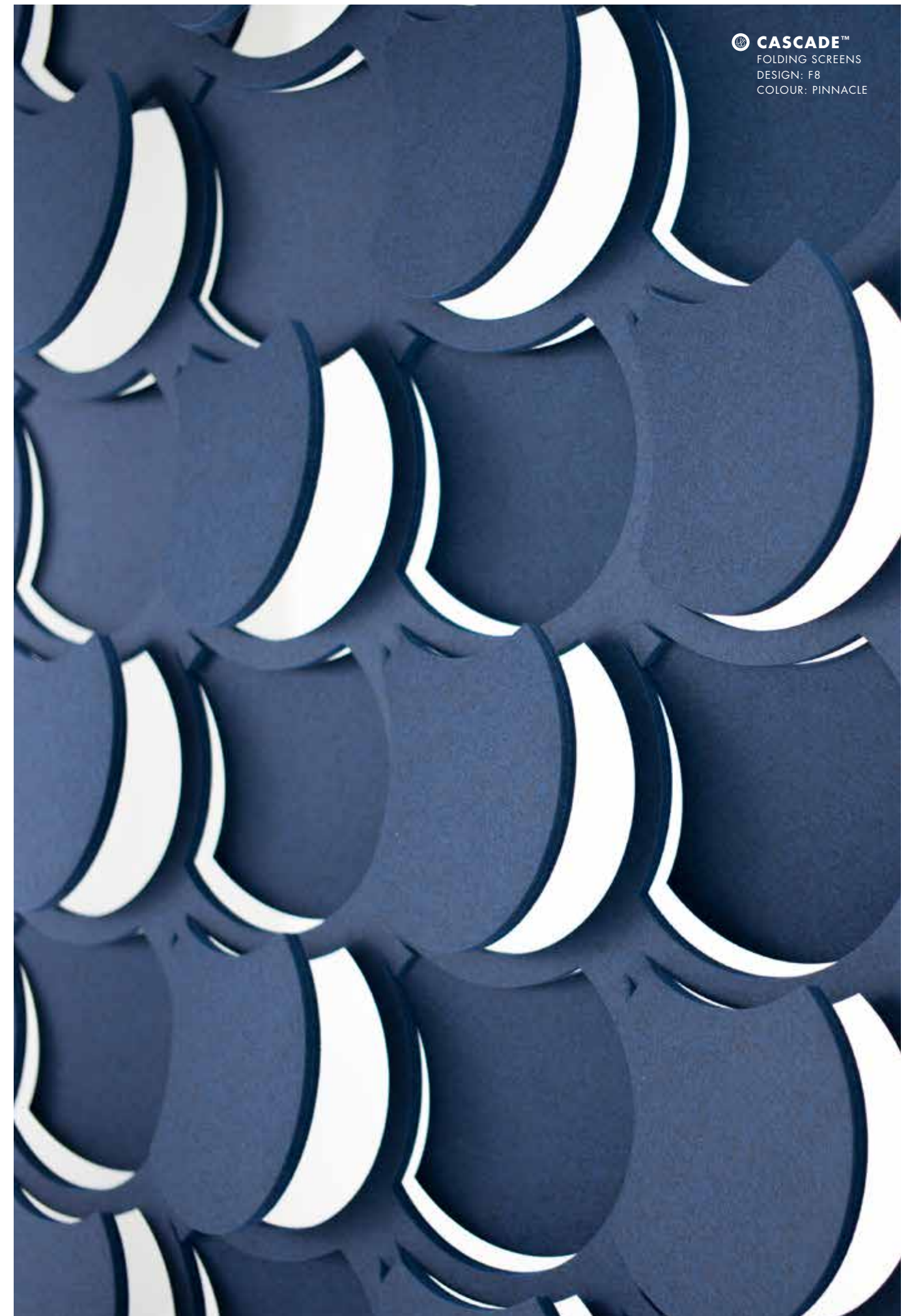2 CEILING CONNECTORS, 2 1M WIRES, 2 AUTEX SUSPENSION SLIDERS

DESIGN F9 **COLOUR** SEE PAGE 33 FOR FULL COLOUR RANGE

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.

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

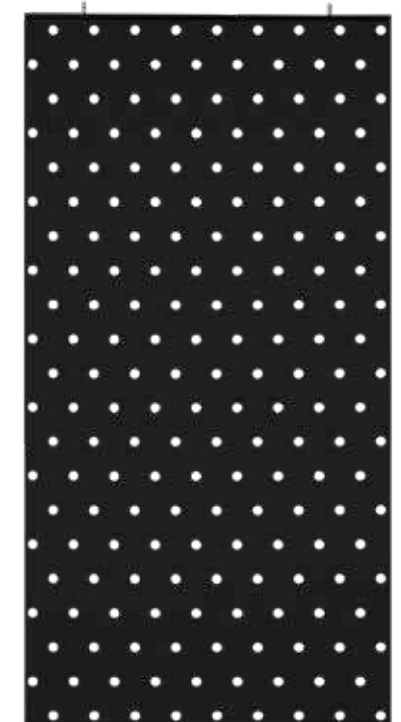**DESIGN** S6 **COLOUR** SEE PAGE 33 FOR FULL COLOUR RANGE

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

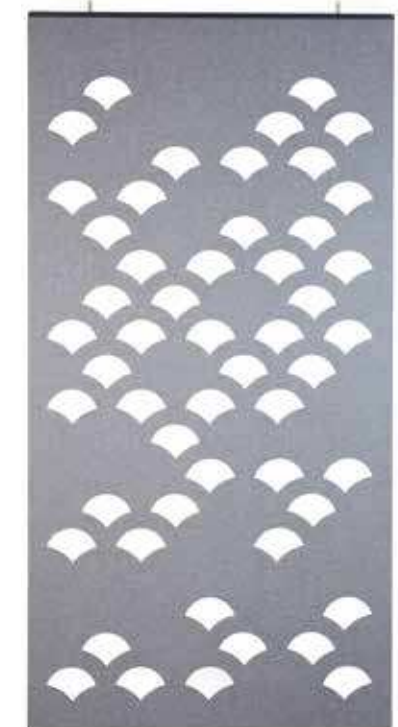**DESIGN** S13 **COLOUR** SEE PAGE 33 FOR FULL COLOUR RANGE

DESIGN S14 **COLOUR** SEE PAGE 33 FOR FULL COLOUR RANGE

DESIGN S15 **COLOUR** SEE PAGE 33 FOR FULL COLOUR RANGE
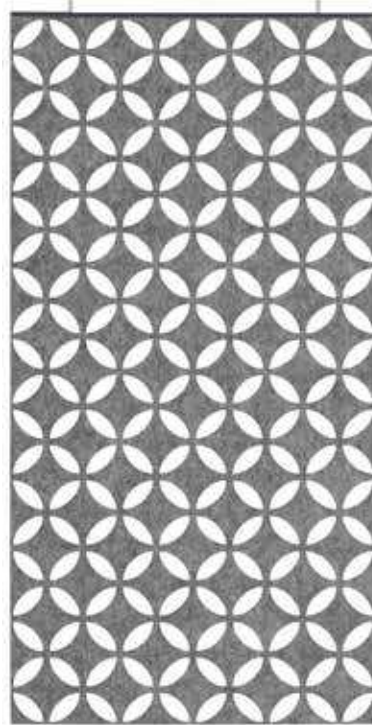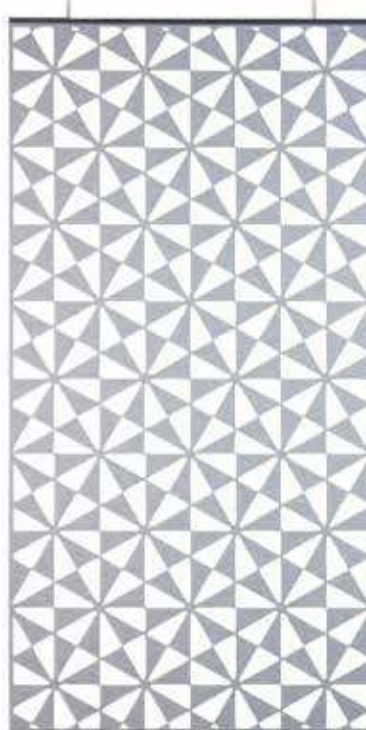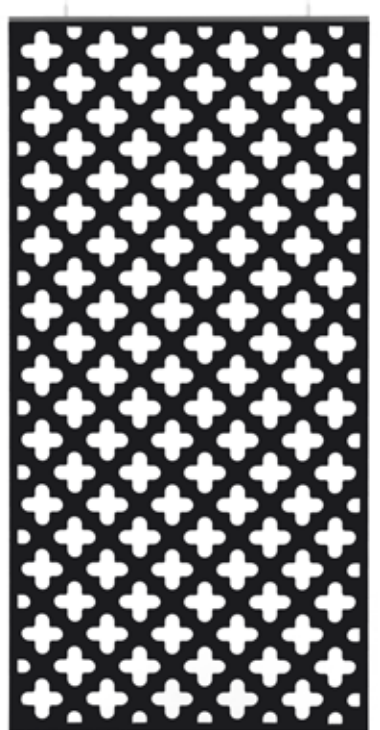
DESIGN S16 **COLOUR** SEE PAGE 33 FOR FULL COLOUR RANGE

DESIGN S17 **COLOUR** SEE PAGE 33 FOR FULL COLOUR RANGE

DESIGN S18 **COLOUR** SEE PAGE 33 FOR FULL COLOUR RANGE
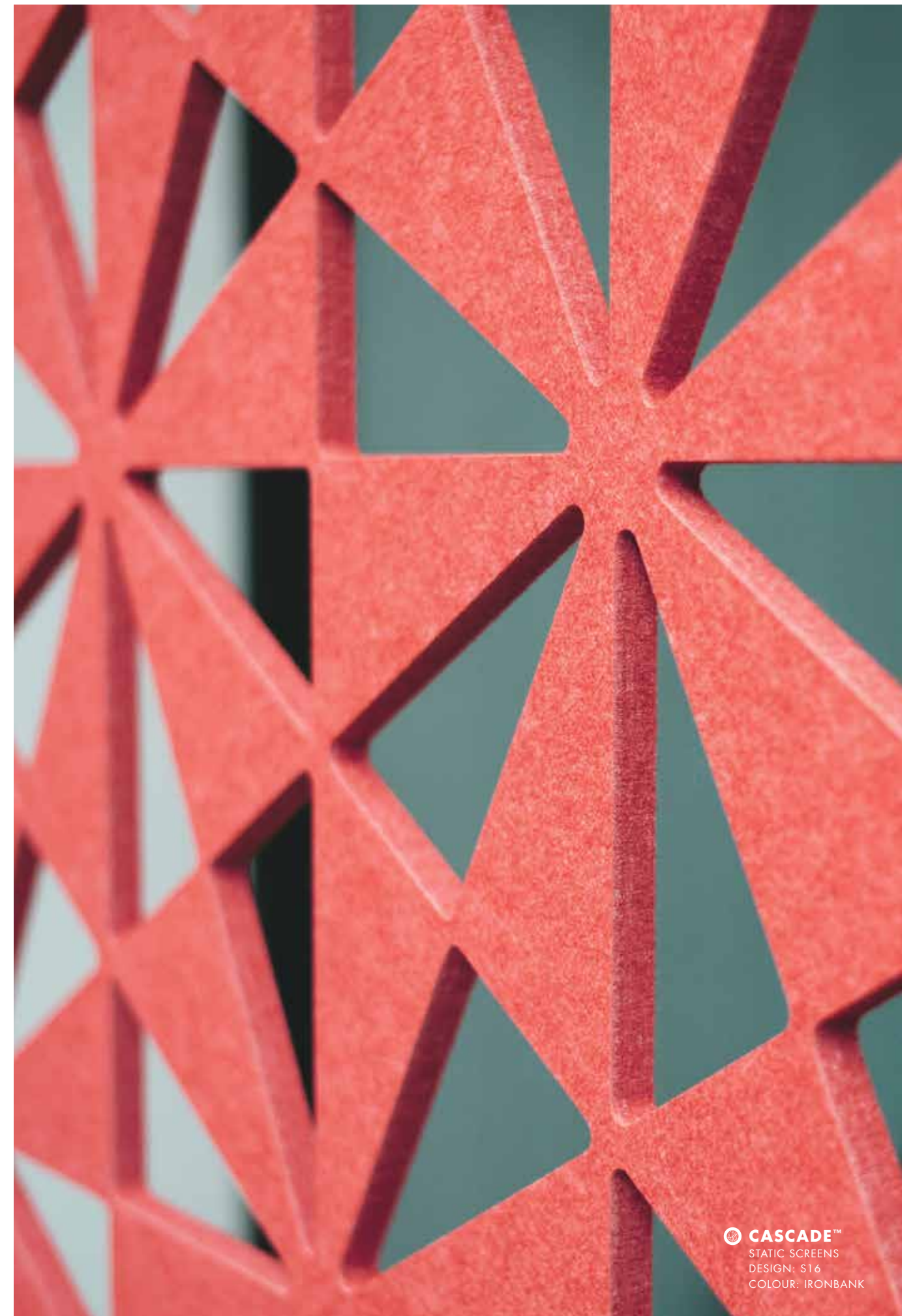
CASCADE™
STATIC SCREENS
DESIGN: S16
COLOUR: IRONBANK

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
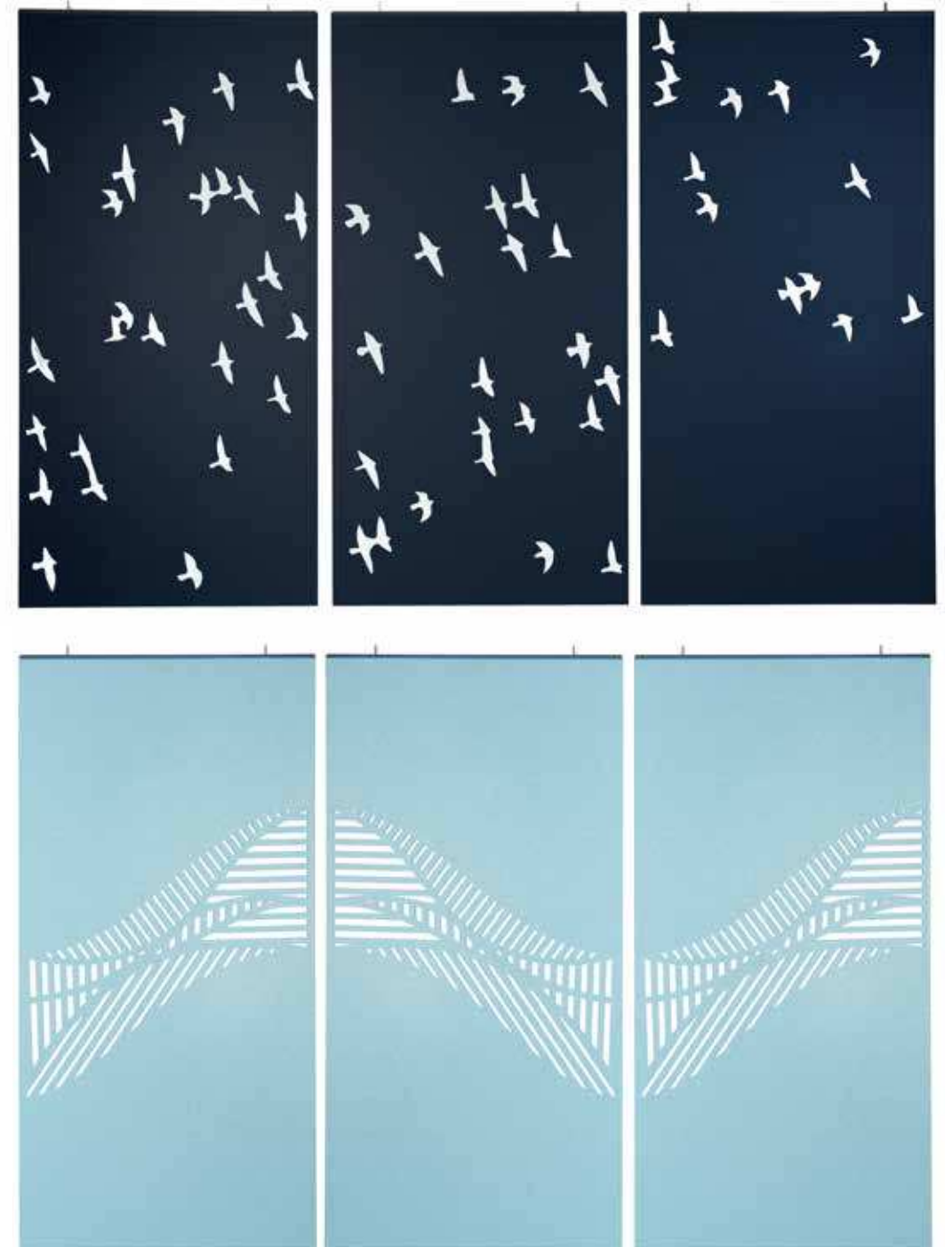
COLOUR OPTIONS

IRONBANK	ZENITH	SENADO
LOTUS	BOSCO	ACROS
PINNACLE	GALAXY	FALLING WATER
PETRONAS	FLATIRON	OPERA
EMPIRE	SAVOYE	**Cube**™

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.
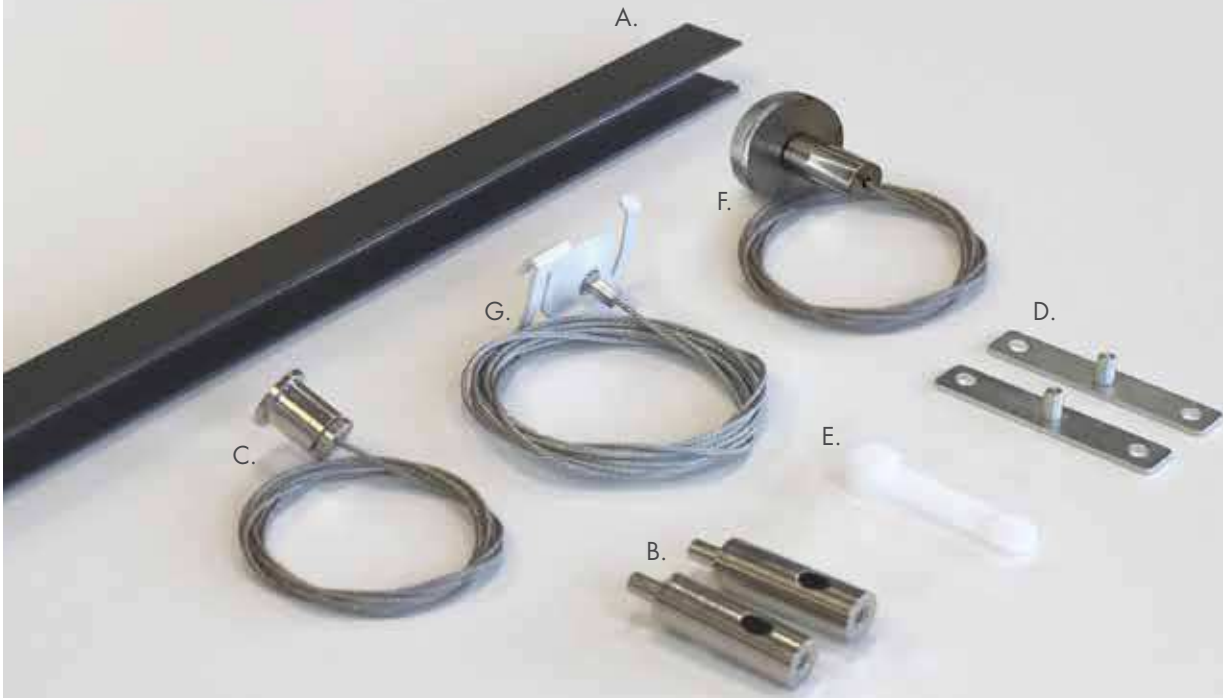
PARTS SUPPLIED PER SCREEN

Frontier™ Channel (A)
Part Number: RAFNEXPC1212

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

ADDITIONAL PARTS

Clips (E)
Part Number: RAFCLP

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

**SUSPENDED TOP
DIRECT FIXED BASE**

ADDITIONAL PARTS REQUIRED
(Per Screen)

1 RAFNEXPC1212
3 RAFCLP

**DIRECT FIXED TOP
SUSPENDED BASE**

ADDITIONAL PARTS REQUIRED
(Per Screen)

1 RAFNEXPC1212
3 RAFCLP

**DIRECT FIXED TOP
DIRECT FIXED BASE**

ADDITIONAL PARTS REQUIRED
(Per Screen)

1 RAFNEXPC1212
6 RAFCLP

**DIRECT FIXED TOP
FREE HANGING BASE**

ADDITIONAL PARTS REQUIRED
(Per Screen)

3 RAFCLP

CASCADE
HANGING SCREENS

PRODUCT SPECIFICATIONS

Product Name   Cascade™

Composition   100% Polyester Fibre (PET)

Panel Dimensions   1200mm x 2400mm

Tolerance   (+/-5mm) x (+/-5mm)

Thickness   12mm

PACK CONTENTS

- 1x Cascade Screen
- 1x Frontier™ Channel
- 2x Ceiling Connectors
- 2x 1m Wires
- 2x Autex Suspension Sliders

Note: Expanding Screens have double the pack contents.

ACOUSTIC PERFORMANCE

Cascade is designed as a partition, which adds acoustic absorption.

For a copy of the acoustic report please contact your Autex account manager.

FIRE RATINGS

Cascade™ is a value-added product made from Autex Cube™ acoustic panels as the base material. Cube™ (12mm) 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 by Cetec Pty Ltd (Report: CV170908) for chemical emission and is classified as low VOC.
VOC concentration: 0.009 mg/m³ (7 days)

FASTNESS TO LIGHT

Cascade™ is suitable for indoor use only.

MOISTURE ABSORPTION

Polyester fibre when exposed to an atmosphere of 50°C at 90% relative humidity for four days showed moisture absorption of less than 0.03% by weight. Polyester is not affected by moisture and will not rot or deteriorate in intended use situations.

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.

ENVIRONMENTAL

Autex Cascade™ is made from Cube™ which is GreenRate Level A and LCARate Gold certified and can be used to contribute to Green Star NZ accreditation. Autex Cube™ is also Declare certified to be Red List Free and can be used in Living Building Challenge projects.

Autex is an environmentally conscious manufacturer and aim for a minimum 45% recycled content (i.e. PET plastic bottles) in its acoustic product range.

Autex has a high functioning Environmental Management System (ISO 14001) to enhance our environmental performance and contribute to sustainable development.

For more information, please contact your Autex account manager, or visit our website www.autexindustries.com

INSTALLATION

Install as per Autex recommendations. Installation instructions are included in each pack or available on the website www.autexindustries.com
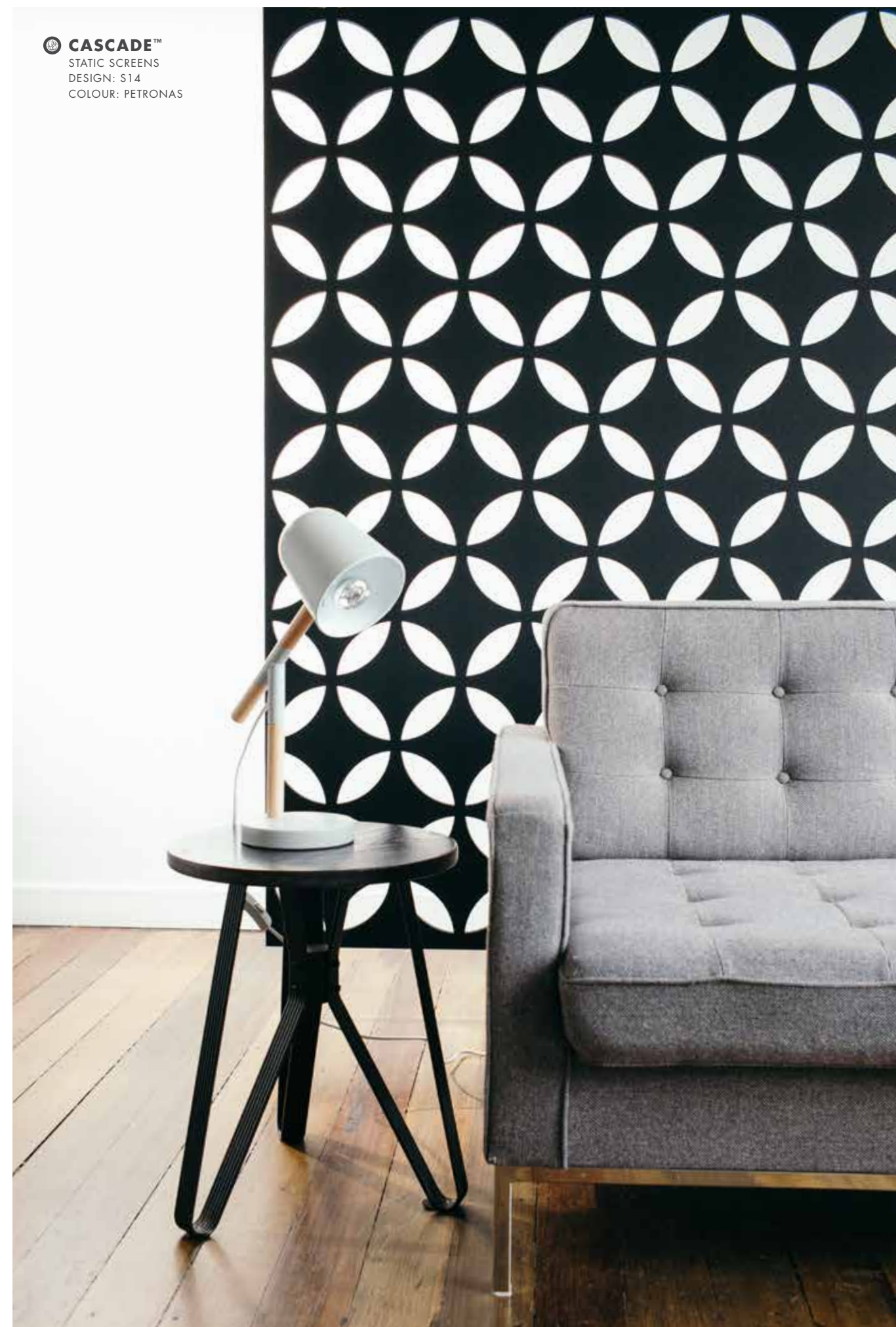
PATENT
US Patent 10,184,249

PATENT PENDING FOLDING AND EXPANDING DESIGN
NZ 727634 | AU 2016273959 | GB 1621613.7

Cascade™ is a trademark of Autex Industries Limited.

CARING FOR THE
ENVIRONMENT

Autex products are manufactured using 100% polyester fibre and aim to contain a minimum of 45% previously recycled fibre (from PET plastics). They 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 harmful 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 and LCARate Gold certified.

Cube™ is also Declare℠ 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 it's environmental performance and contribute to sustainable development.

whiteboards and pinboards

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