

# CASCADE HANGING SCREENS



**FDB** | ACOUSTICS

**CASCADE™**  
STATIC SCREENS  
DESIGN: S4  
COLOURS: 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.

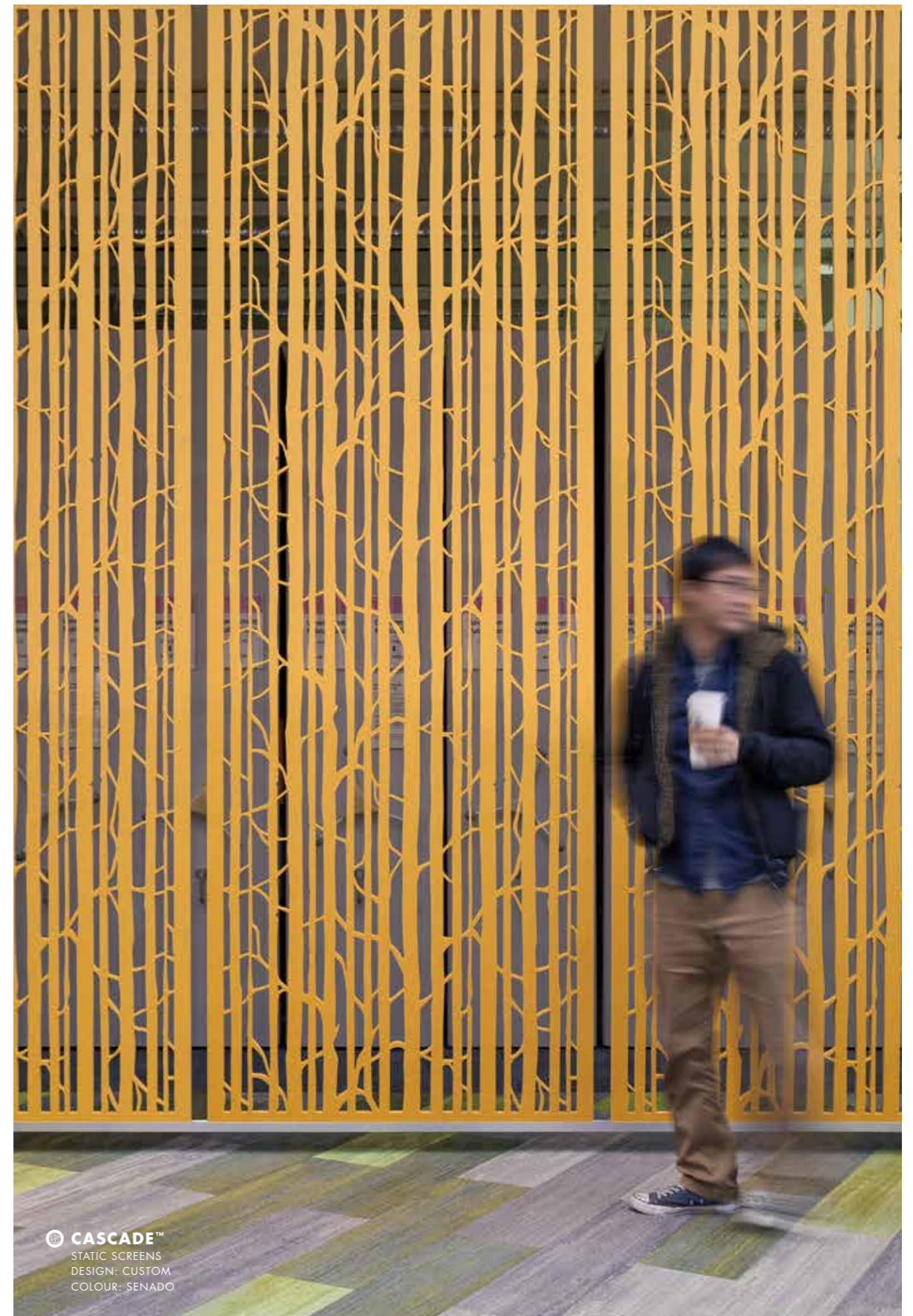
Because we want to make things easy, Cascade™ comes with its own high quality unique fixing system ready for a simple and seamless install. All that's left is for you to pick your favourite.

# 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™**  
STATIC SCREENS  
DESIGN: CUSTOM  
COLOUR: SENADO

 **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 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  
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**

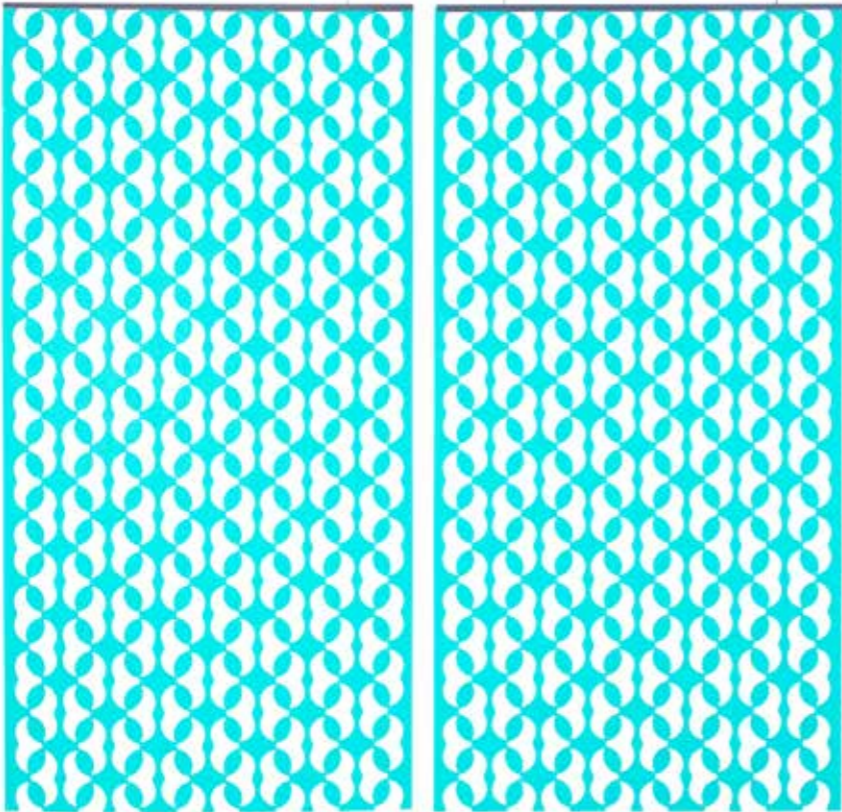
US Patent 10,184,249

### **PATENT PENDING FOLDING AND EXPANDING DESIGN**

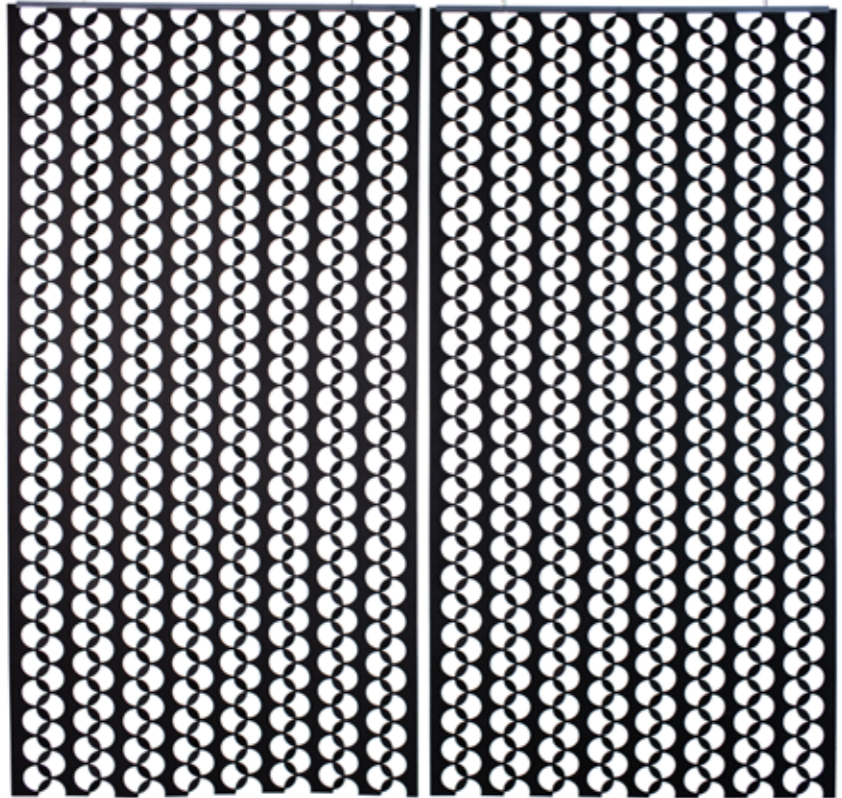
NZ 727634 | AU 2016273959 | GB 1621613.7

EXPANDING DESIGN OPTIONS

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



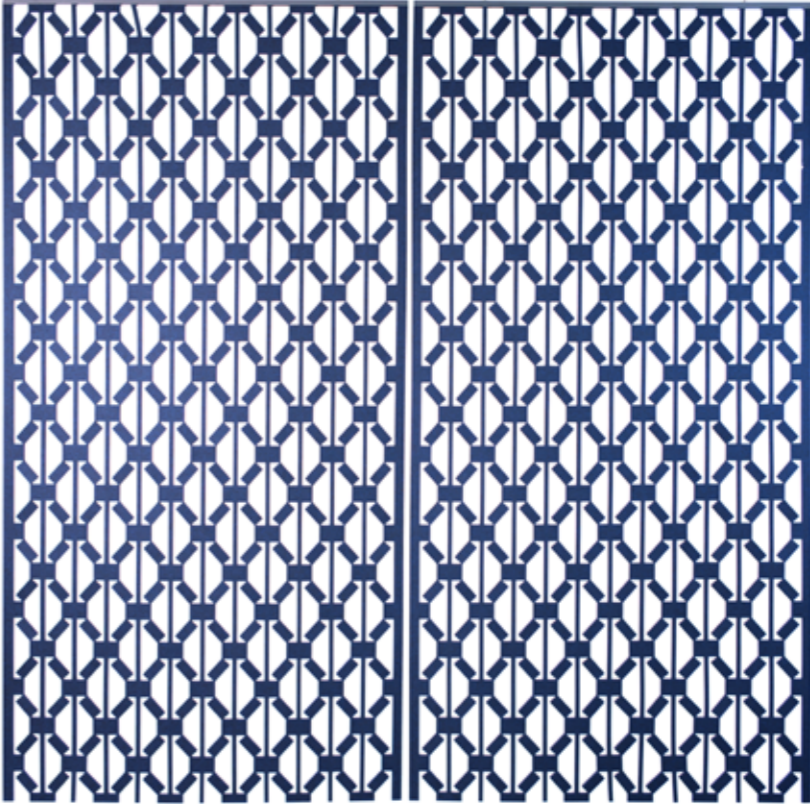
DESIGN E1 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE



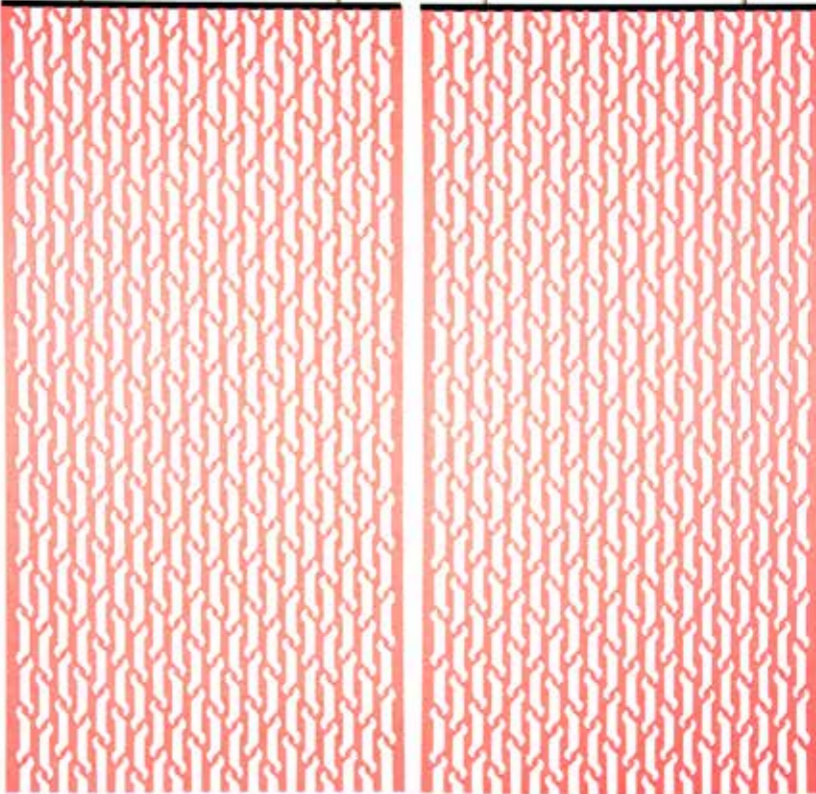
DESIGN E2 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE

EXPANDING DESIGN OPTIONS

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



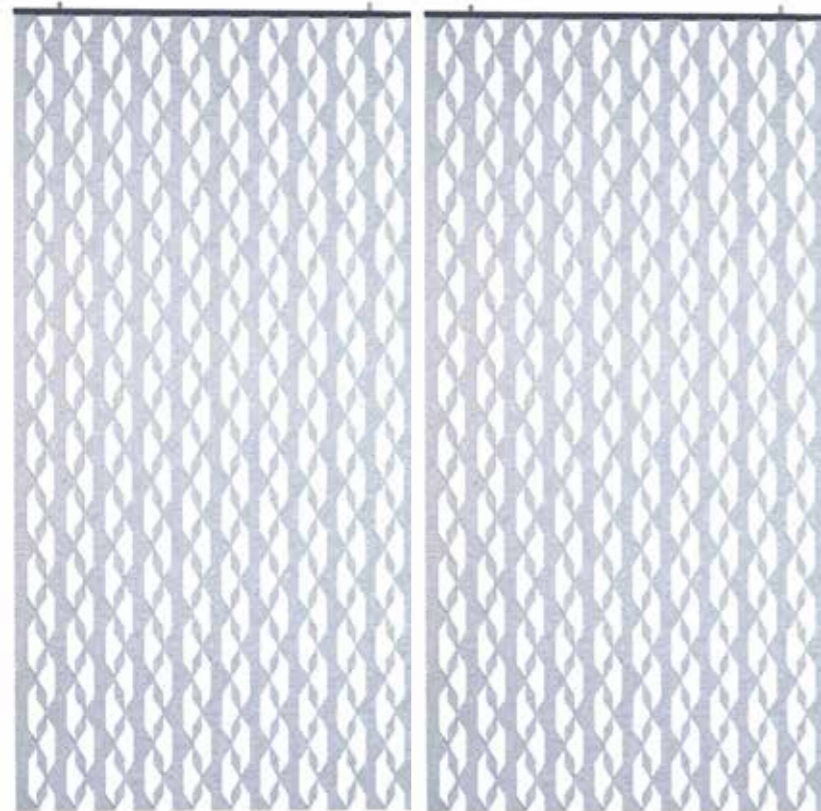
DESIGN E3 COLOUR SEE PAGE 33 FOR FULL COLOUR RANGE



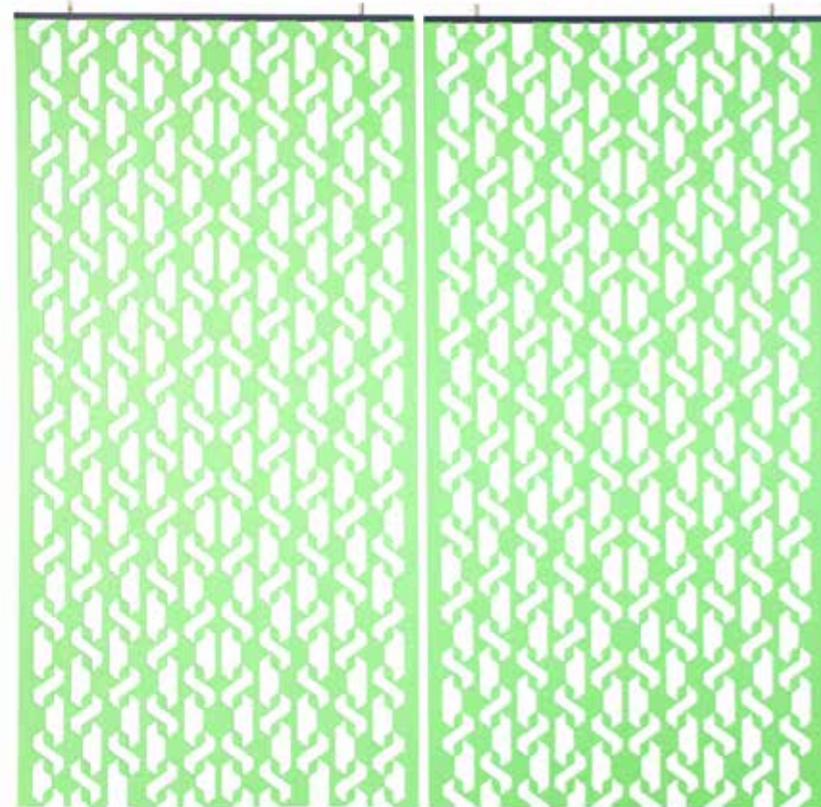
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## EXPANDING DESIGN OPTIONS

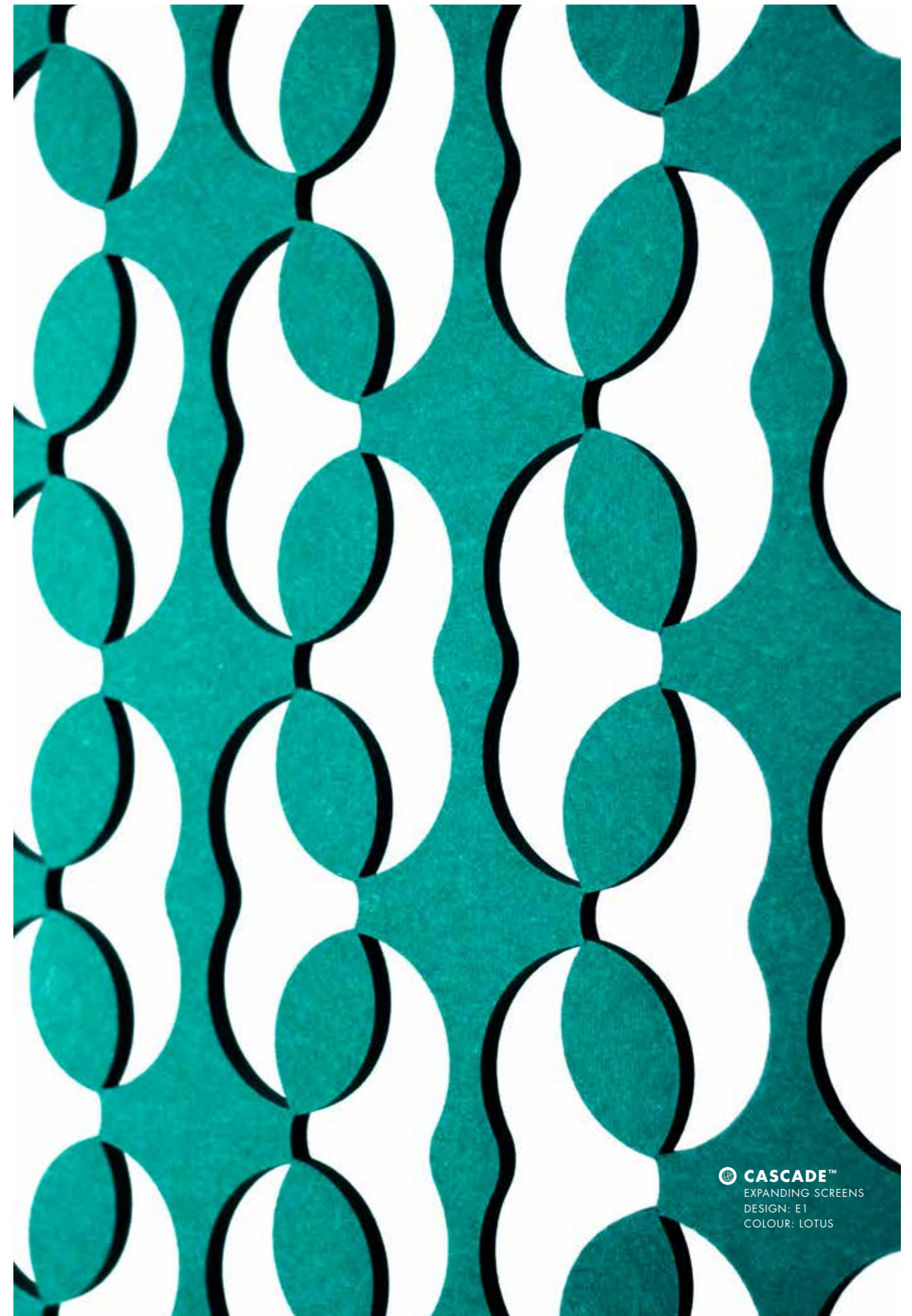
**PACK CONTENTS** 2 CASCADE EXPANDING SCREENS, 2 FRONTIER CHANNELS,  
4 CEILING CONNECTORS, 4 1M WIRES, 4 AUTEX SUSPENSION SLIDERS



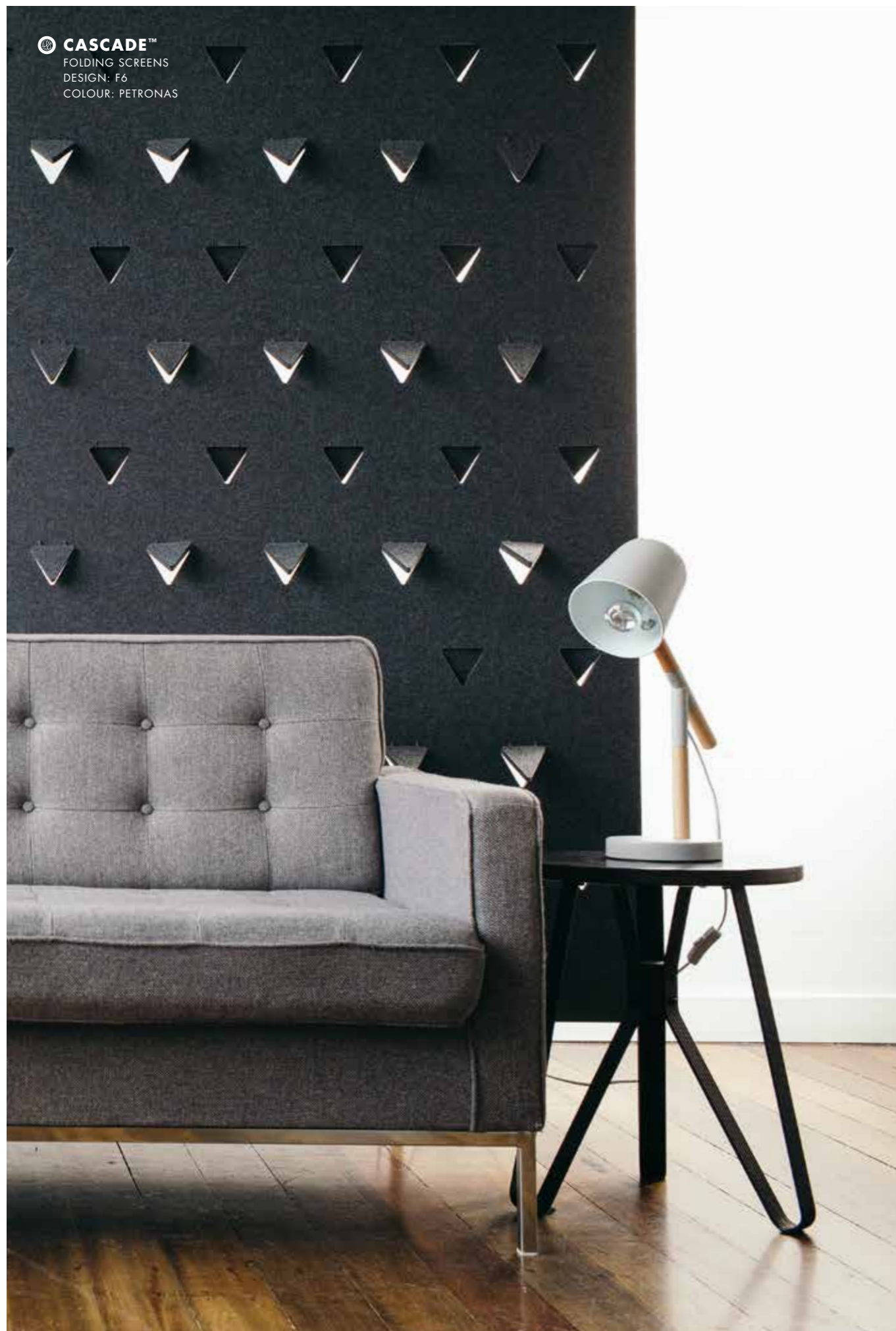
**DESIGN E5 COLOUR** SEE PAGE 33 FOR FULL COLOUR RANGE



**DESIGN E6 COLOUR** SEE PAGE 33 FOR FULL COLOUR RANGE



**CASCADE™**  
EXPANDING SCREENS  
DESIGN: E1  
COLOUR: LOTUS



# CASCADE™

## FOLDING SCREENS

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**

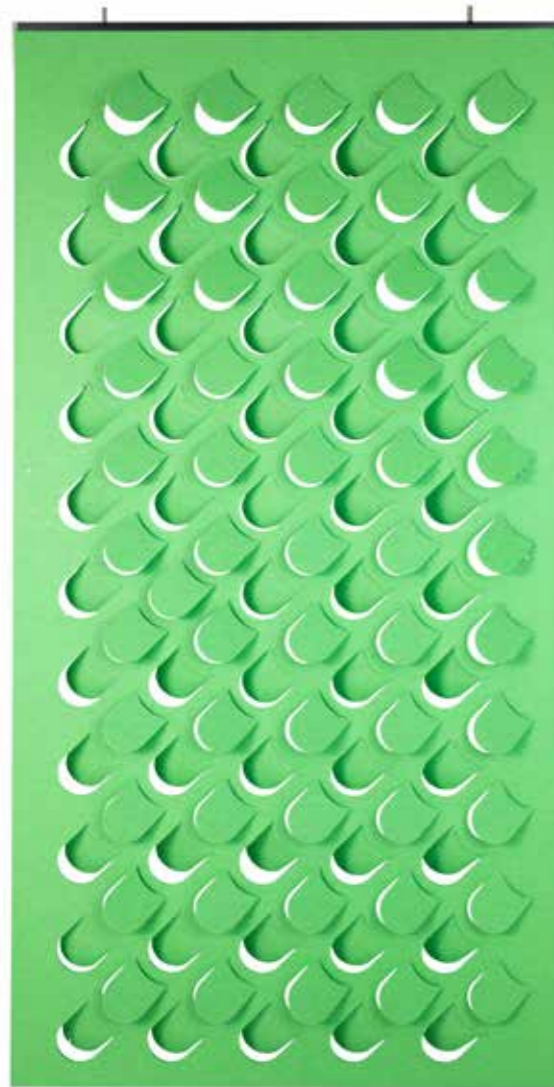
US Patent 10,184,249

### **PATENT PENDING FOLDING AND EXPANDING DESIGN**

NZ 727634 | AU 2016273959 | GB 1621613.7

## FOLDING DESIGN OPTIONS

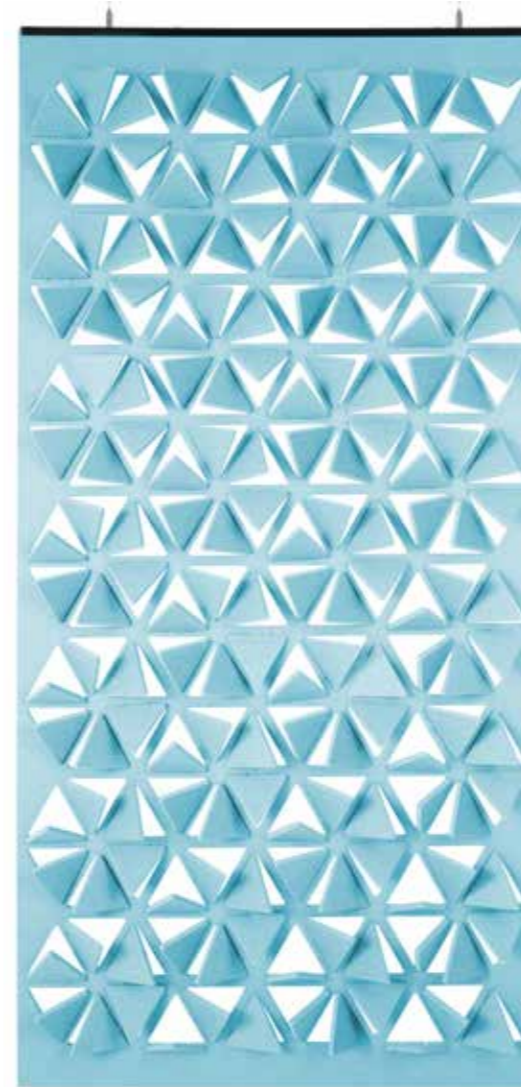
**PACK CONTENTS** 1 CASCADE FOLDING SCREEN, 1 FRONTIER CHANNEL,  
2 CEILING CONNECTORS, 2 1M WIRES, 2 AUTEX SUSPENSION SLIDERS



**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



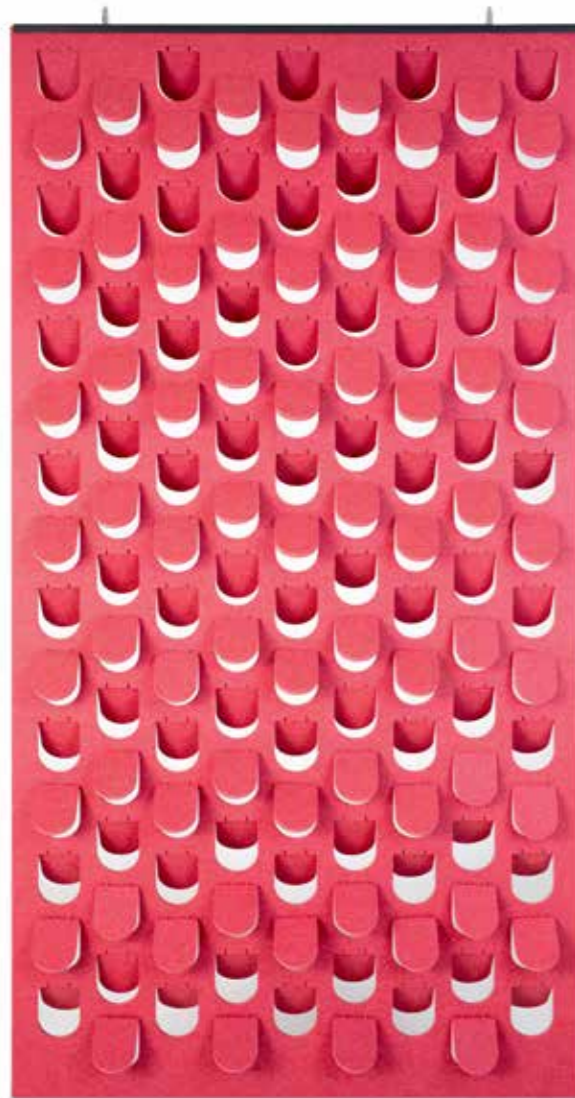
**DESIGN F4 COLOUR** SEE PAGE 33 FOR FULL COLOUR RANGE

## FOLDING DESIGN OPTIONS

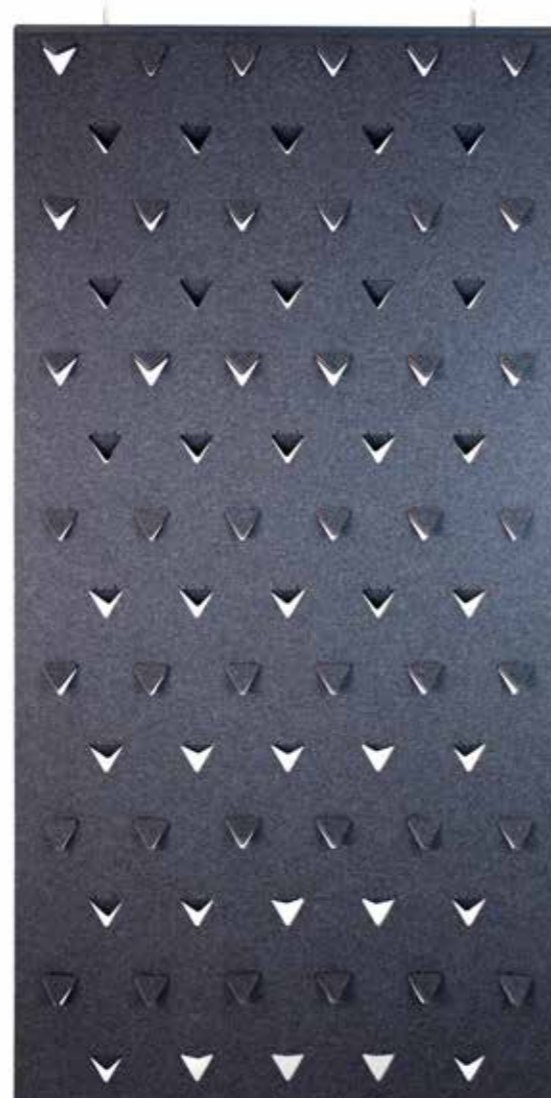
**PACK CONTENTS** 1 CASCADE FOLDING SCREEN, 1 FRONTIER CHANNEL,  
2 CEILING CONNECTORS, 2 1M WIRES, 2 AUTEX SUSPENSION SLIDERS

## FOLDING DESIGN OPTIONS

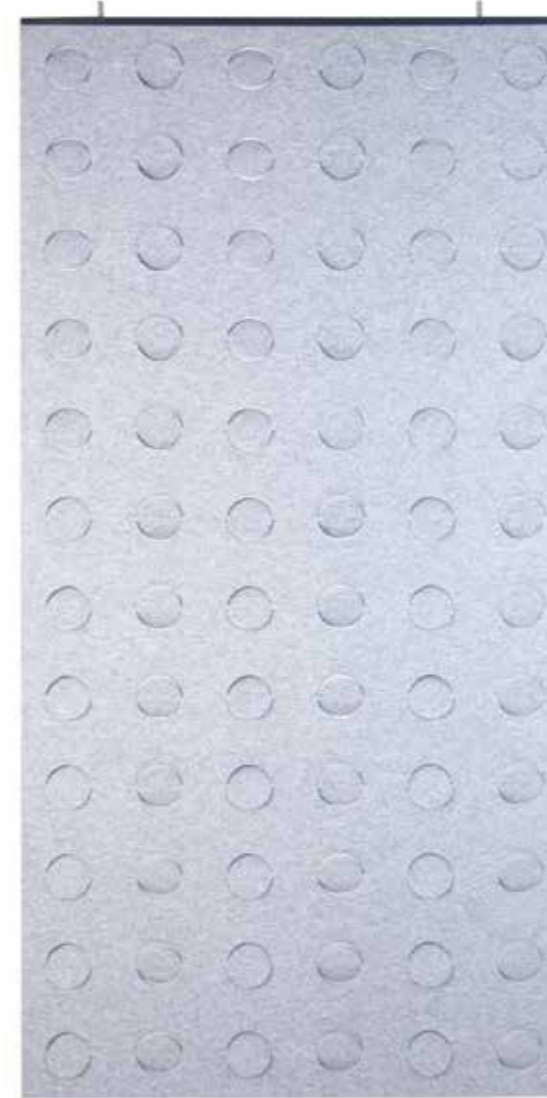
**PACK CONTENTS** 1 CASCADE FOLDING SCREEN, 1 FRONTIER CHANNEL,  
2 CEILING CONNECTORS, 2 1M WIRES, 2 AUTEX SUSPENSION SLIDERS



**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



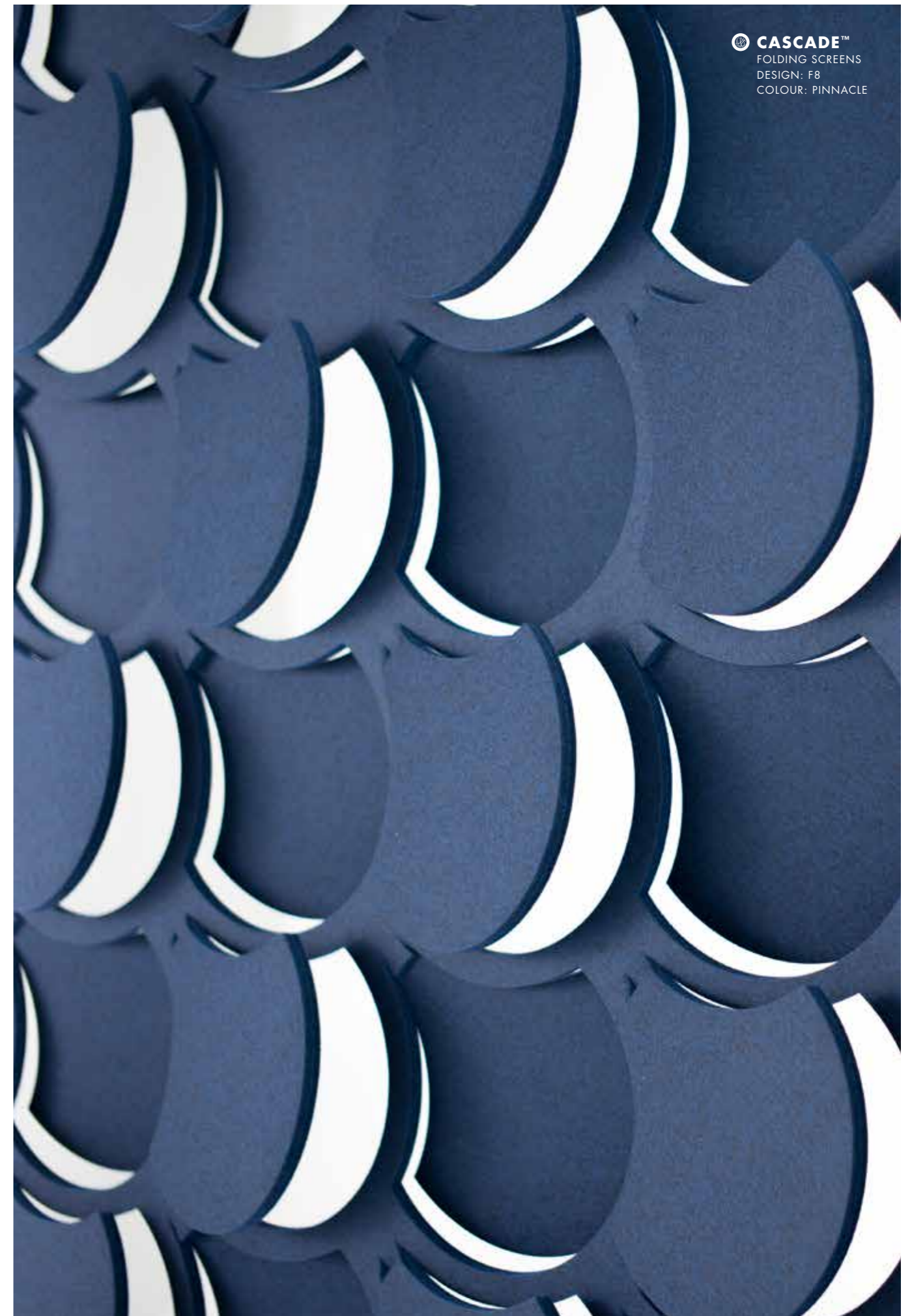
**DESIGN F8 COLOUR** SEE PAGE 33 FOR FULL COLOUR RANGE

## FOLDING DESIGN OPTIONS

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



**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

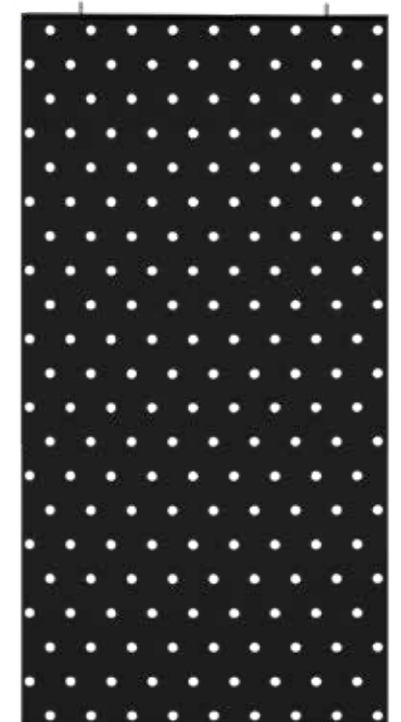
**PACK CONTENTS** 1 SCREEN, 1 FRONTIER CHANNEL, 2 CEILING CONNECTORS, 2 1M WIRES, 2 AUTEX SUSPENSION SLIDERS



**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



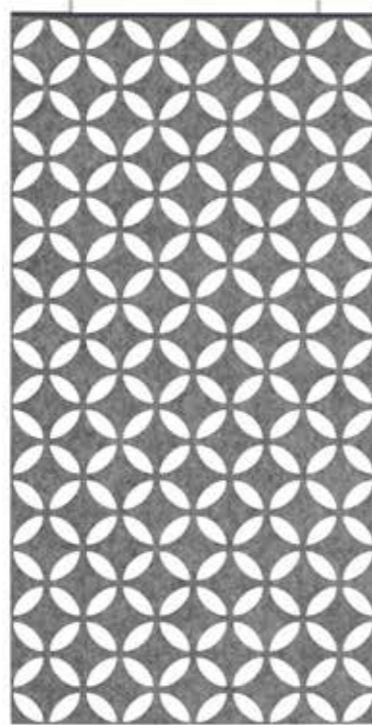
**DESIGN S12 COLOUR** SEE PAGE 33 FOR FULL COLOUR RANGE

## STATIC DESIGN OPTIONS

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



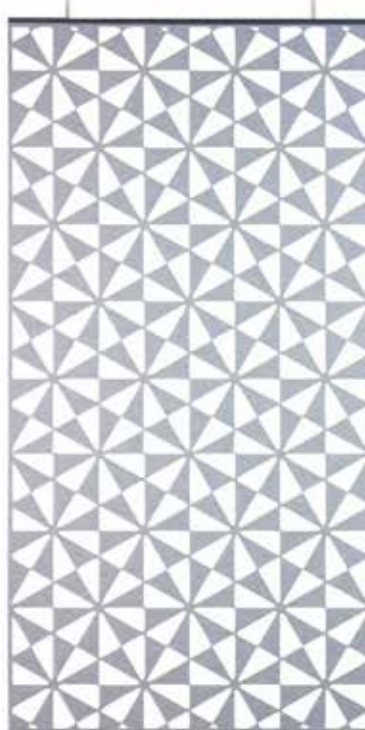
**DESIGN S13 COLOUR** SEE PAGE 33 FOR FULL COLOUR RANGE



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



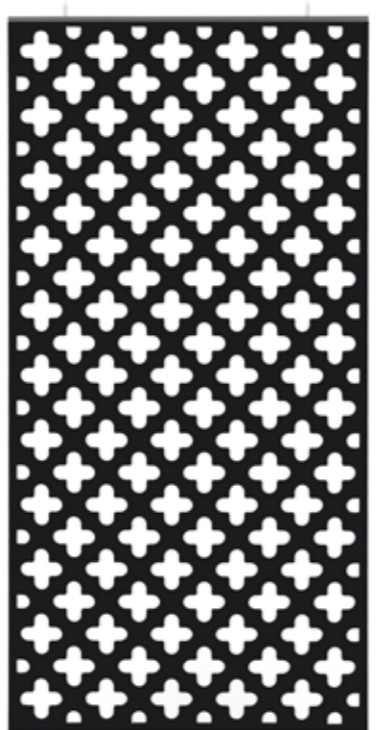
**DESIGN S15 COLOUR** SEE PAGE 33 FOR FULL COLOUR RANGE



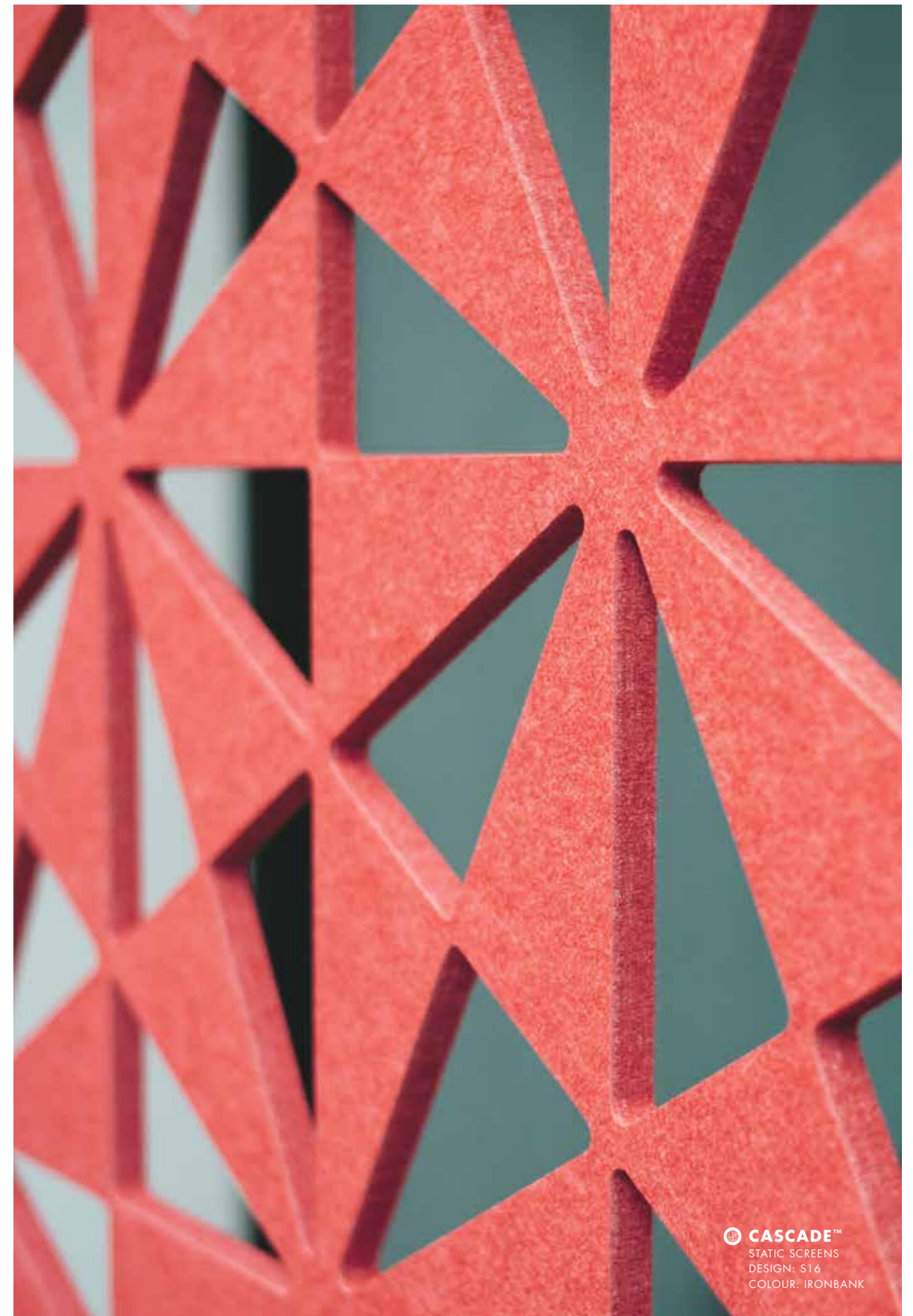
**DESIGN S16 COLOUR** SEE PAGE 33 FOR FULL COLOUR RANGE



**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™

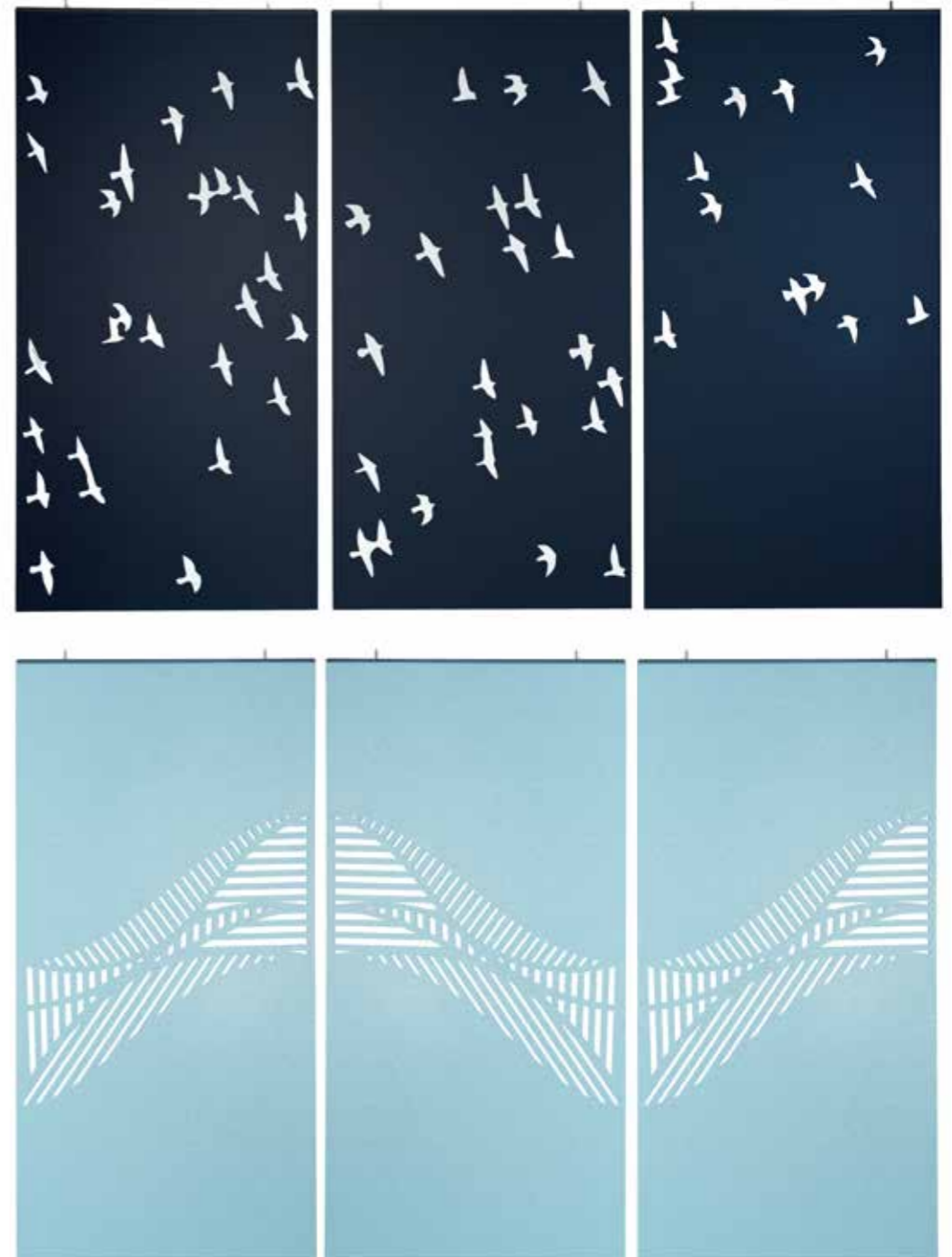
## CUSTOMISATION

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 us or visit our website [www.fdbacoustics.com.au/contact-us](http://www.fdbacoustics.com.au/contact-us)

## CUSTOM DESIGN EXAMPLES





**CASCADE™**  
STATIC SCREENS  
DESIGN: S13  
COLOUR: IRONBANK

## COLOUR OPTIONS

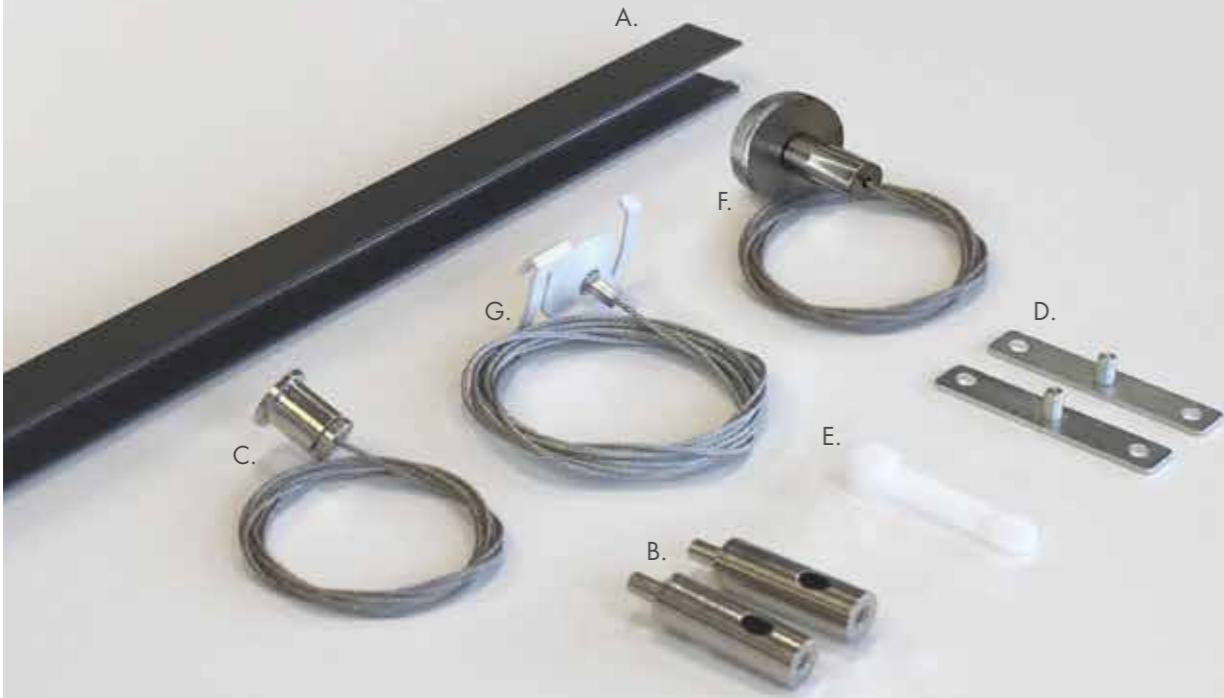
IRONBANK	ZENITH	SENADO
LOTUS	BOSCO	ACROS
PINNACLE	GALAXY	FALLING WATER
PETRONAS	FLATIRON	OPERA
EMPIRE	SAVOYE	<b>Cube™</b>

To order a sample of Cube™ please contact your us or visit  
[www.fdbacoustics.com.au/contact-us](http://www.fdbacoustics.com.au/contact-us)

# 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



**NO ADDITIONAL PARTS REQUIRED**



**ADDITIONAL PARTS REQUIRED (Per Screen)**  
1 RAFNEXPC1212  
1 RAHVAS



**ADDITIONAL PARTS REQUIRED (Per Screen)**  
1 RAFNEXPC1212  
3 RAFCLP



**ADDITIONAL PARTS REQUIRED (Per Screen)**  
1 RAFNEXPC1212  
3 RAFCLP



**ADDITIONAL PARTS REQUIRED (Per Screen)**  
1 RAFNEXPC1212  
6 RAFCLP



**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.

### 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: <5.0m<sup>2</sup>/s

As required by NZBC C/VM2

#### AS ISO 9705 - 2003

Australian Group Number: Group 1

SMOGRARC: less than 100m<sup>2</sup>/s<sup>2</sup>

Assessed using methodology AS ISO 9705:2003 in accordance with AS5637.1:2015 as required by BCA Specification C1.10-4

FI 4974 dated 16<sup>th</sup> September, 2012 and FAR 4055-2 dated 8<sup>th</sup> October, 2013

#### EN13501-1:2007+A1:2009

B - s2, d2

WF 336911 dated 25<sup>th</sup> February, 2014

#### ASTM E-84-15a

Class A, FS:0 - SD:45

RJ4479-2 dated 25<sup>th</sup> 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/m<sup>3</sup> (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](http://www.autexindustries.com)

### INSTALLATION

Install as per Autex recommendations.

Installation instructions are included in each pack or available on the website [www.autexindustries.com](http://www.autexindustries.com)

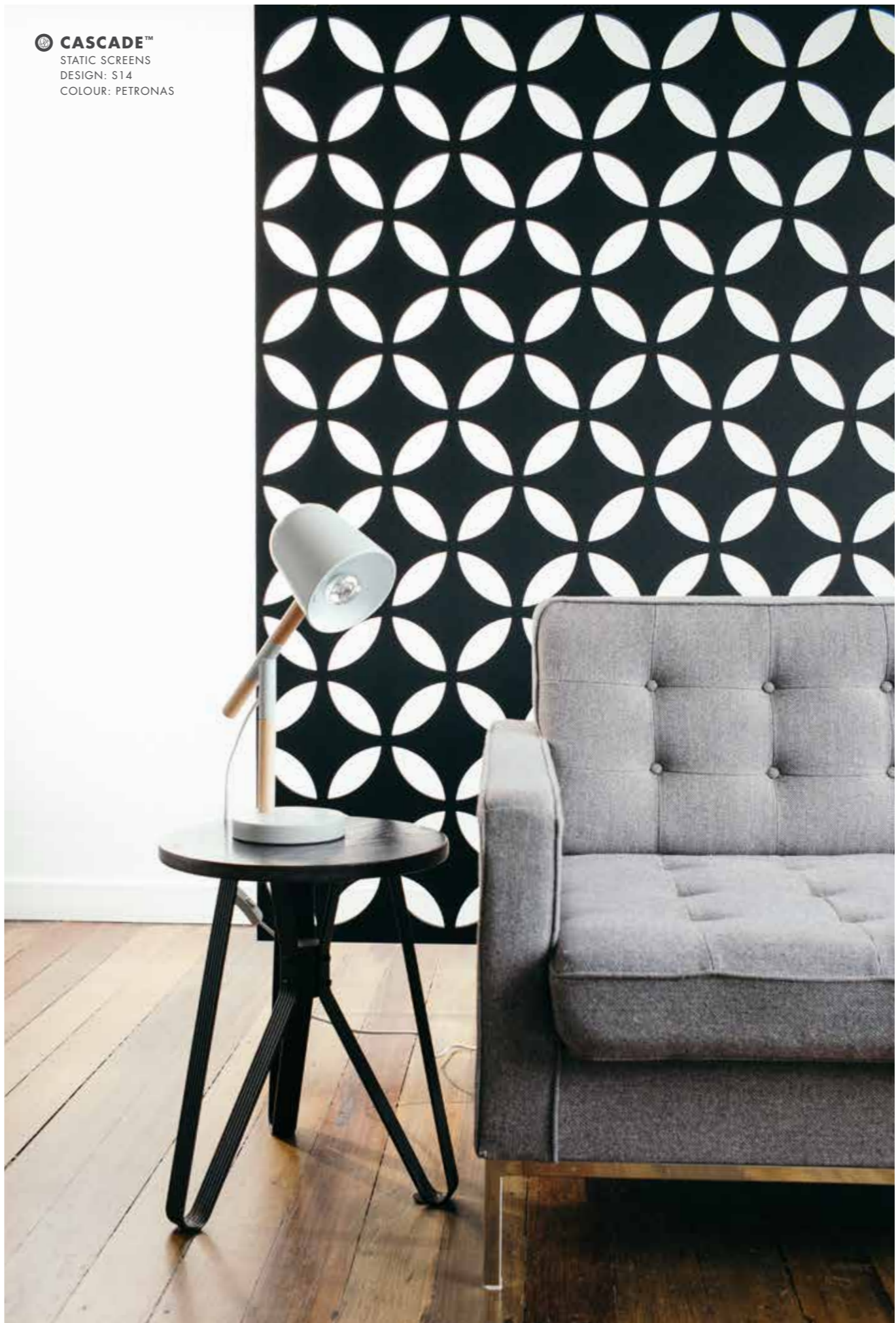
### PATENT

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.



**CASCADE™**  
STATIC SCREENS  
DESIGN: S14  
COLOUR: PETRONAS



## 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<sup>sm</sup> 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.**

