ECHOPANEL®

E C H O P A N E L®

EchoPanel® is the original decorative interior panelling solution, with acoustic qualities and eco-innovation at its core.

EchoPanel® reduces and controls reverberated noise in shared environments, making it ideal for use in a variety of commercial interior spaces including workplace, education and hospitality environments.

It is a streamlined product with a fabric-like finish, designed with dematerialisation in mind. Once it's been installed, there is no need to upholster, paint or protect it.

Pioneering the war against single-use plastic, EchoPanels® production uses post-consumer recycled PET bottles to create a superior upcycled product with a vast array of interior applications.

EXTENSIVE PRODUCT RANGE

EchoPanel® offers the largest colour palette on the market. The solid colour remains consistent throughout the thickness of the panel, so you can cut, create and install without the need for edging or capping.

EchoPanel® also boast an extensive range of inspiring prints and precision cut designs, making it the go-to brand for creative Architects and Interior Designers.
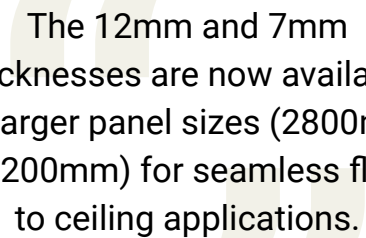
Offered in 3 panel thicknesses; 24mm, 12mm and 7mm.

The 12mm and 7mm thicknesses are now available in larger panel sizes (2800mm x 1200mm[1]) for seamless floor to ceiling applications.

APPLICATIONS

EchoPanel® is durable, lightweight, and easy to cut and install, making it ideal for a multitude of wall, ceiling and free-standing interior applications. Frequent installations include:

- Wall Panelling. Direct fix installation or create an air gap for greater acoustic performance.

- Ceiling Applications. Direct fix or suspended systems.

- Workstations. Its slender, pinnable nature enables it to be used as a double-sided division in a workstation.

> " The 12mm and 7mm thicknesses are now available in larger panel sizes (2800mm x 1200mm) for seamless floor to ceiling applications. "

ACOUSTIC CONTROL

Controlling reverberated noise is a crucial factor in creating comfortable and productive environments, be it a professional workplace, learning environment, social setting or retail space.

EchoPanel® is optimised for acoustic performance and has been independently tested, in accordance with AS ISO 354, to achieve a Noise Reduction Coefficient (NRC) rating to meet your projects acoustic requirements, be it a new building or interior refurbishment.

DESIGNED FOR COMMERCIAL INTERIORS

EchoPanel® has undergone many forms of industry testing and complies with some of the world's highest mandatory standards.

Its fire-retardant properties have been developed so that it is an excellent performer in the safety arena. It holds first-class ratings in Australasian and International markets, achieving a Group 1 rating in the 'ISO 9705' full-scale room fire test. EchoPanel® 12mm has also been awarded a valuable 'GB 8624 B1 level', and the internationally recognised 'BS EN 13501.1: Classification B-s1, d0'.

[1] Manufacturing tolerances apply

Dematerialisation, recycling, upcycling and life cycle management were, and still are, at the foundation of EchoPanels® design.

Made from 60% post-consumer waste, sourced from single-use PET bottles, EchoPanel® products are dedicated to the environment. Aside from saving tonnes of plastic waste from our oceans and landfill, the PET is converted into EchoPanel® which boasts a 10-year life expectancy, after which the material is still 100% recyclable.

EchoPanel® is only printed with environmentally sensitive pigment inks to deliver excellent light fastness while remaining low-VOC, non-flammable and non-toxic.

Impressively, in 2018/19, Woven Image diverted in excess of 624 tonnes of PET plastic from landfill. This equates to over 31 million waste bottles being repurposed into EchoPanel® products annually.

To date, over 230 million 600ml PET bottles have been diverted from landfill to produce EchoPanel.®

ENVIRONMENTAL CERTIFICATION

EchoPanel® achieves Global GreenTag™ certification (Green Rate Level A) with the maximum Product Health Declaration™: Platinum Health, for EchoPanel® plain colours.

> "To date, over 230 million 600ml PET bottles have been diverted from landfill to produce EchoPanel® products."

Furthermore, EchoPanel® can secure credits under the following sustainable building rating tools:

* Green Star, as administered by Green Building Council Australia.

* WELL™ Building Standard, International WELL

* Building Institute.

* Leadership in Energy and Environmental Design (LEED v4.1).

EchoPanels® acoustic qualities, along with its extensive colour, design and customisation properties, offers designers the freedom to create stylish, unique and sustainable interior spaces.

PRODUCTION PROCESS
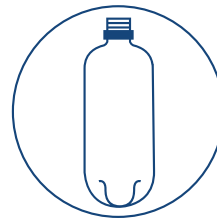
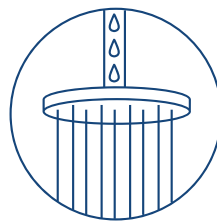1. Soft drink and detergent bottles made from PET identified by ⚠ are collected from consumers
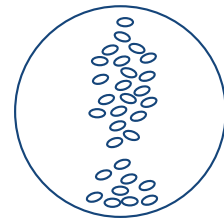
2. Contaminents like lids and sticky labels are removed. Bottles are chipped into tiny pellets
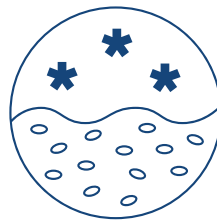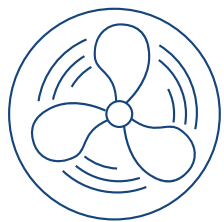

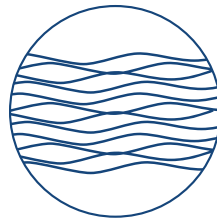
3. Pellets are washed and sanitised
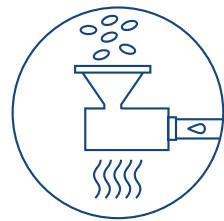
4. Pellets and colour are fed into a hopper. A heater at the base of the hopper melts the pellets to form a free flowing resin
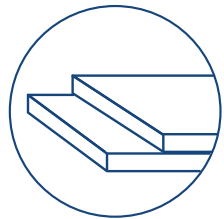

5. Resin is pumped through a sophisticated shower-rose device, known as a spinneret

6. Cold air fans 'set' the fine fibres extruded from the spinneret

7. Fibres are drawn and cut and are blended into a web

8. Web is compressed to make panel board ready for use

GLOBAL GREEN TAG CERTIFIED — GreenRate | Level C — trust brands™

GLOBAL GREENTAG HEALTH RATE — Platinum HEALTH — trust brands™

AUSTRALASIA EPD® ENVIRONMENTAL PRODUCT DECLARATION

ECHOPANEL® COLOUR RANGE

EchoPanel® is available in a comprehensive range of neutral, mid tone and vibrant colours. Due to its unique manufacturing process, the colour remains consistent throughout the depth of the panel.
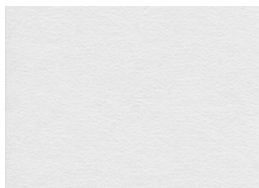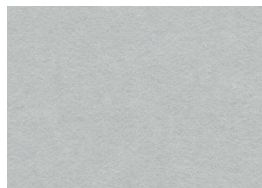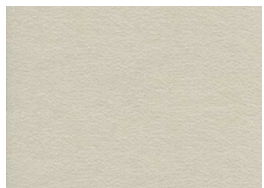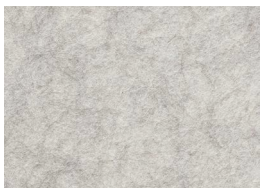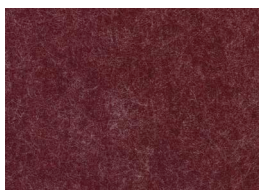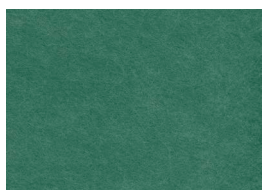
The standard 12mm range includes all 31 colours, with a selection of these colours also available in 7mm and 24mm thicknesses.

Colours shown are for reference only, please contact Hurford's for a sample prior to ordering.

LEGEND:

- ● Colours available EchoPanel® 7mm
- ● Colours available EchoPanel® 12mm
- ● Colours available EchoPanel® 24mm

ECHOPANEL® COLOUR RANGE

500	101	908	454	468
402	580	444	442	
550	542	276	576	274
269	193	295	487	
384	579	381	108	124
330	349	338	325	
365	660	551	633	

ECHOPANEL®

SPECIFICATIONS

PRODUCT	ECHOPANEL® 7mm	ECHOPANEL® 12mm	ECHOPANEL® 24mm
ORIGIN	Made In Australia	Made In Australia	Made In Australia
COMPOSITION	100% PET (60% Recycled)	100% PET (60% Recycled)	100% PET (60% Recycled)
WEIGHT	1400g/m^2 (+/- 10%)	2400g/m^2 (+/- 10%)	3000g/m2 (+/- 10%)
THICKNESS	7mm (+/- 7%)	12mm (+/- 7%)	24mm (+/- 7%)
PANEL DIMENSIONS	2800mm (+/-10mm) x 1200mm (+/-5mm)	2800mm (+/-10mm) x 1200mm (+/-5mm)	2400mm (+/-5mm) x 1820mm (+/-10mm)

PERFORMANCE

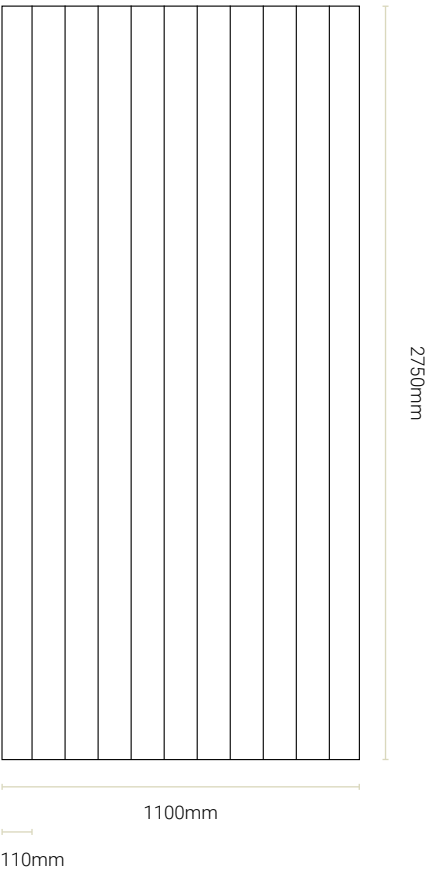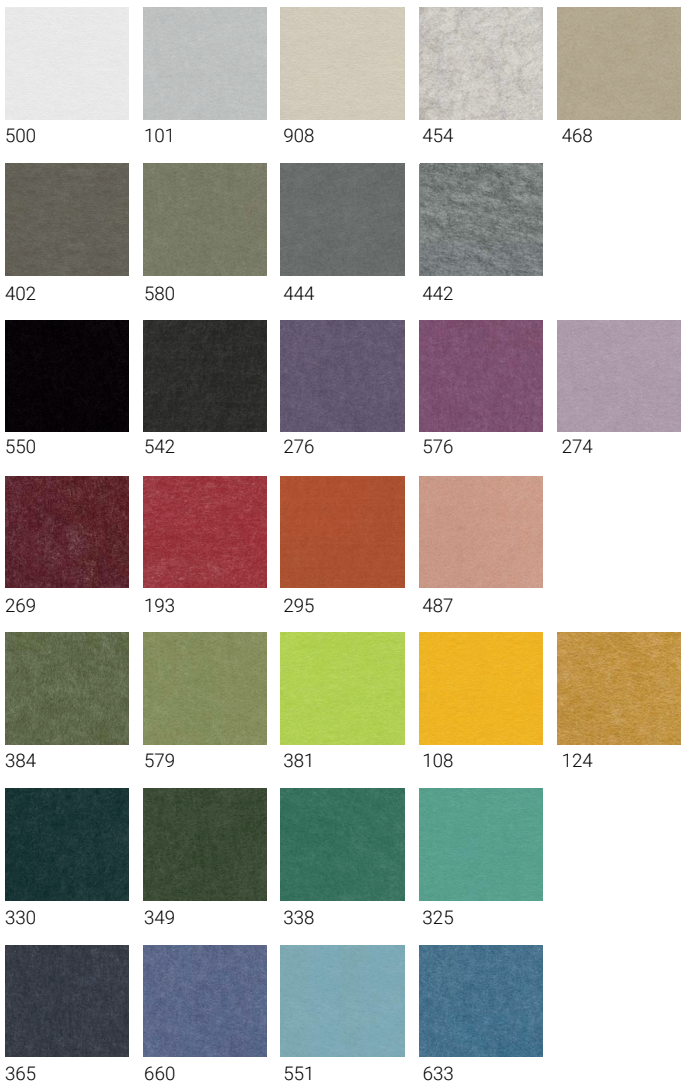|			
COLOUR FASTNESS	ISO 105-B02-1994 RATING: 6-7	ISO 105-B02-1994 RATING: 6-7	ISO 105-B02-1994 RATING: 6-7
FIRE TEST	ISO 9705: GROUP 1, AS 1530.3, BS 476: PART 7 CLASS 2	ISO 9705: GROUP 1, AS 1530.3, GB 8624 B1, BS EN 13501.1: CLASSIFICATION- B-s1, d0	ISO 9705: GROUP 1 ASTM E84 UNADHERED: B or CLASS 2 BS EN 13501.1 CLASSIFICATION Bs1, d0
SOUND ABSORPTION	AS ISO 354 - 2006 NRC VALUE: 0.25 (NO air gap) NRC VALUE: 0.45 (20mm air gap) NRC VALUE: 0.70 (50mm air gap)	AS ISO 354 - 2006 NRC VALUE: 0.45 (NO air gap) NRC VALUE: 0.60 (20mm air gap) NRC VALUE: 0.75 (50mm air gap)	AS ISO 354 - 2006 NRC VALUE: 0.65 (NO air gap) NRC VALUE: 0.75 (20mm air gap) NRC VALUE: 0.85 (50mm air gap)
VOC EMISSIONS (ECHOPANEL® UNPRINTED)	ASTM D5116 RATE: Less than 0.02 mg/m^2/hr (7 days)	ASTM D5116 RATE: Less than 0.02 mg/m^2/hr (7 days)	ASTM D5116 RATE: Less than 0.02 mg/m^2/hr (7 days)
VOC EMISSIONS (ECHOPANEL® PRINTED)	ASTM D5116 RATE: Less than 0.093 mg/m^2/hr (7 days)	ASTM D5116 RATE: Less than 0.093 mg/m^2/hr (7 days)	ASTM D5116 RATE: Less than 0.093 mg/m^2/hr (7 days)
ENVIRONMENTAL (ECHOPANEL® UNPRINTED)	Green Tag Certification Green Rate: Level A Green Tag Health Rate: Platinum	Green Tag Certification Green Rate: Level A Green Tag Health Rate: Platinum	Green Tag Certification Green Rate: Level A Green Tag Health Rate: Platinum
ENVIRONMENTAL (ECHOPANEL® PRINTED)	Green Tag Certification Green Rate: Level A Green Tag Health Rate: Gold	Green Tag Certification Green Rate: Level A Green Tag Health Rate: Gold	Green Tag Certification Green Rate: Level A Green Tag Health Rate: Gold

ECHOPANEL® LONGITUDE

EchoPanel® Longitude in colourway #330

Designed By	Woven Image
Dimensions	2750mm (+/-2mm) x 1100mm (+/- mm) x 12mm (+/-7%)
Colours	Full EchoPanel® colour range

Colour swatches:

500, 101, 908, 454, 468
402, 580, 444, 442
550, 542, 276, 576, 274
269, 193, 295, 487
384, 579, 381, 108, 124
330, 349, 338, 325
365, 660, 551, 633

2750mm

1100mm

110mm

ECHOPANEL® LATITUDE
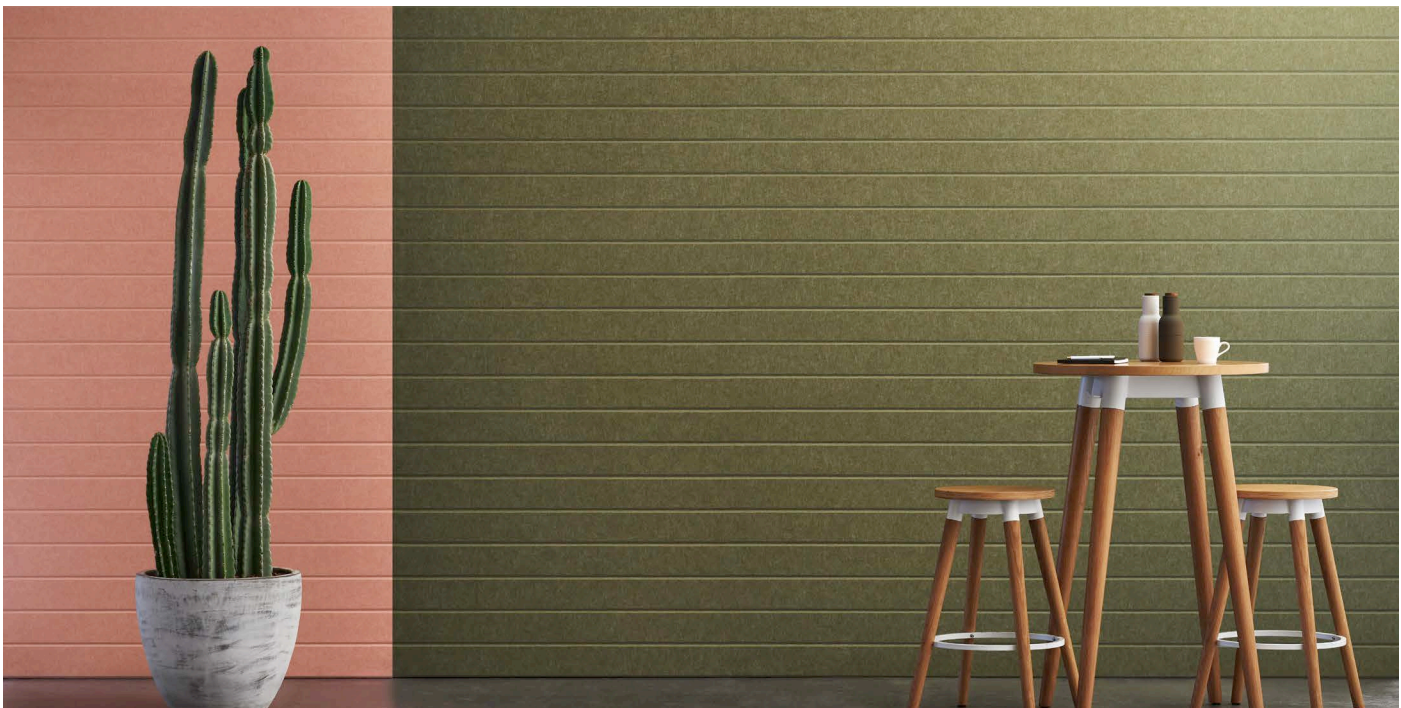
EchoPanel® Latitude in colourway #384 and colourway #487

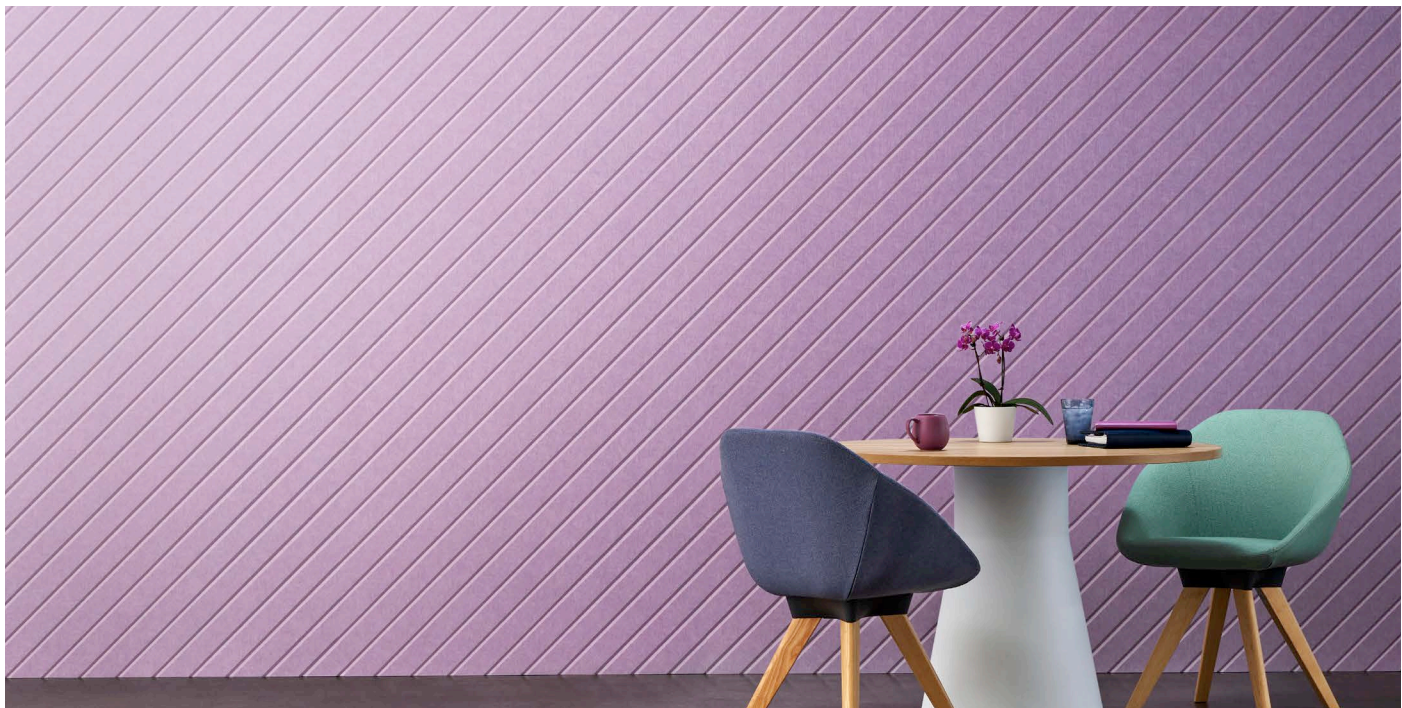|	
Designed By	Woven Image
Dimensions	2750mm (+/-2mm) x 1100mm (+/-2mm) x 12mm (+/-7%)
Colours	Full EchoPanel® colour range

500
101
908
454
468

402
580
444
442

550
542
276
576
274

269
193
295
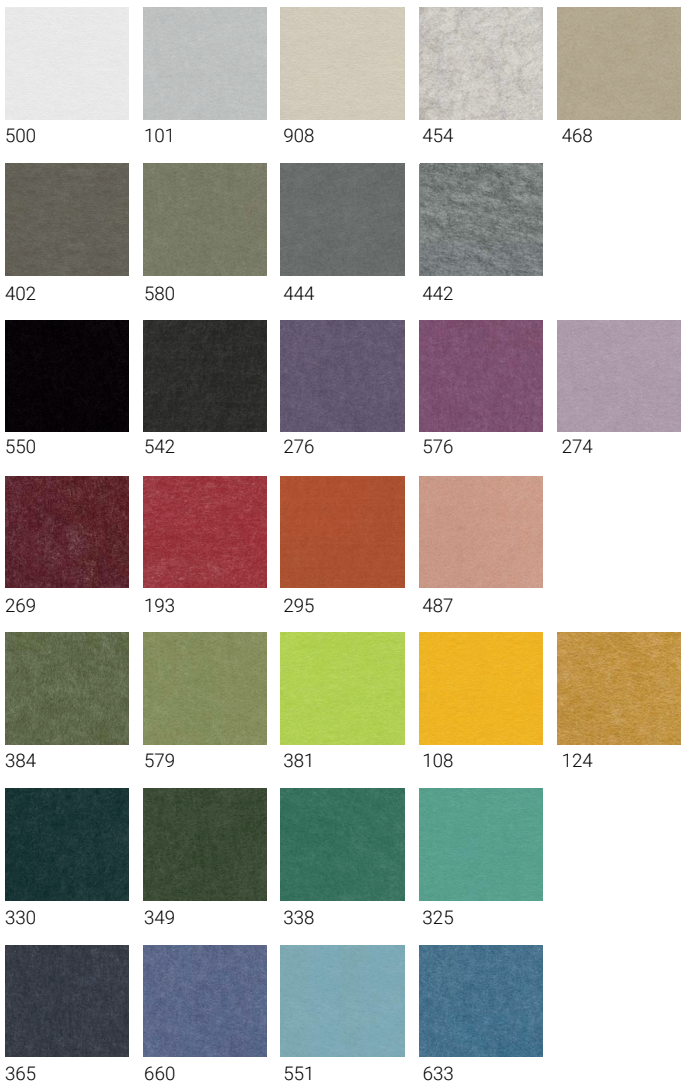487

384
579
381
108
124

330
349
338
325

365
660
551
633

2750mm

1100mm

110mm
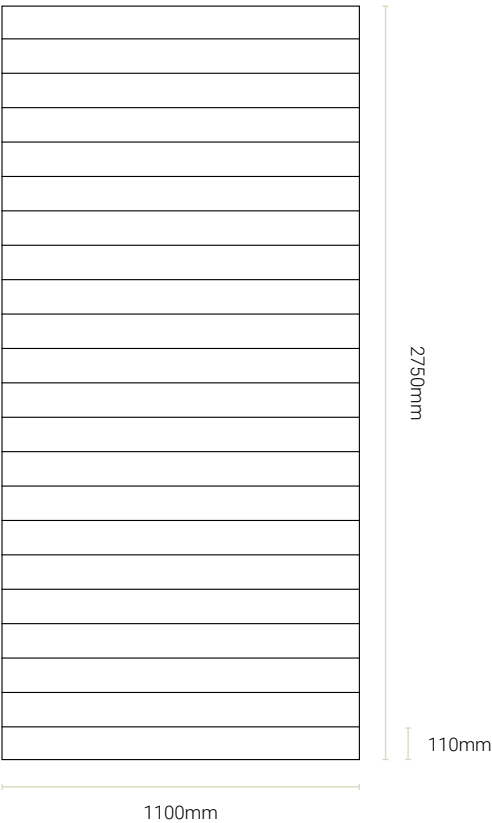
ECHOPANEL® MERIDIAN

EchoPanel® Meridian in colourway #274

500	101	908	454	468
402	580	444	442	
550	542	276	576	274
269	193	295	487	
384	579	381	108	124
330	349	338	325	
365	660	551	633	

Designed By	Woven Image
Dimensions	2750mm (+/-2mm) x 1100mm (+/- mm) x 12mm (+/-7%)
Colours	Full EchoPanel® colour range

2750mm

1100mm

110mm
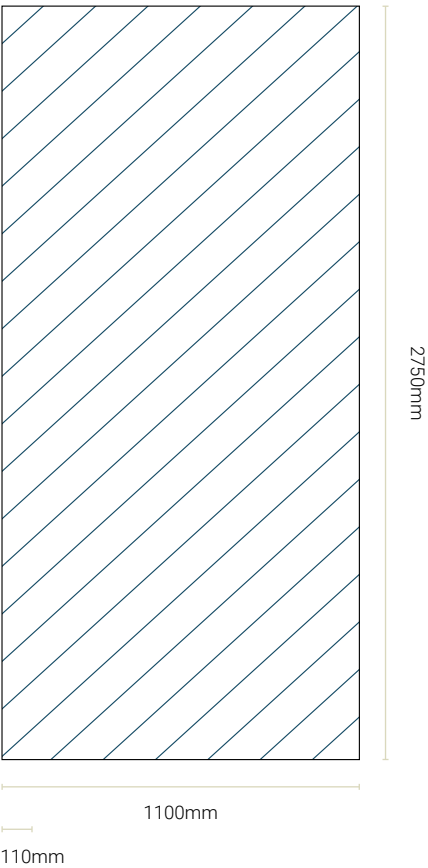
E C H O PANEL® ASTRO

EchoPanel® Astro in colourway #907

Designed By	Woven Image
Dimensions	2800mm (+/-10mm) x 1200mm (+/-5mm) x 12mm (+/-7%)
Pattern	Horizontal: 107mm, Vertical: 173mm
Print	Double Sided
Print Tolerance	Horizontal: +/-10mm, Vertical: +/-10mm

270 (Pearlescent ink)   462 (Pearlescent ink)   489 (Pearlescent ink)   548 (Pearlescent ink)   907
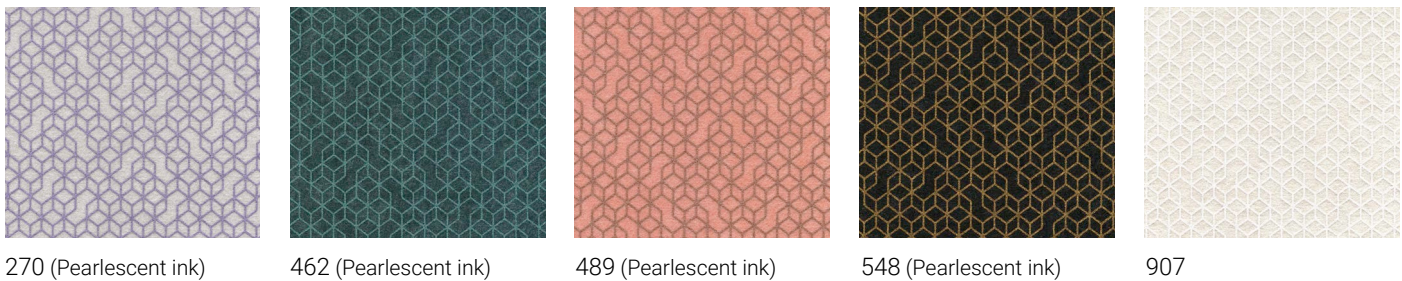
ECHOPANEL® TRIO

EchoPanel® Trio in colourway #365

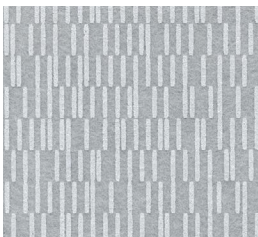|	
Designed By	Woven Image
Dimensions	2800mm (+/-10mm) x 1200mm (+/- 5mm) x 12mm (+/-7%)
Pattern	Horizontal: 65mm, Vertical: 65mm
Print	Double Sided
Print Tolerance	Horizontal: +/-10mm, Vertical: +/-10mm

381

315 (Pearlescent ink)

365 (Pearlescent ink)

100

500

ECHOPANEL® FREQUENCY

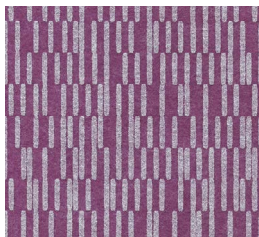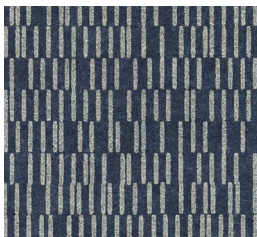EchoPanel® 12mm Frequency in colourway #301

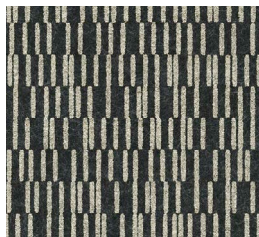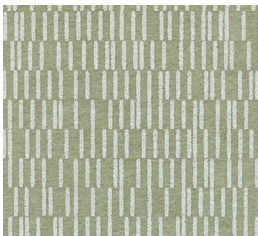|	
Designed By	Woven Image
Dimensions	● 7mm Panel: 2800mm (+/-10mm) x 1200mm (+/-5mm) x 7mm (+/-7%)
	● 12mm Panel: 2800mm (+/-10mm) x 1200mm (+/-5mm) x 12mm (+/-7%)
Pattern	Horizontal: 300mm, Vertical: 320mm (Half Drop)
Print	7mm Panel: One sided
	12mm Panel: Double sided
Print Tolerance	Horizontal: +/-10mm, Vertical: +/-10mm

100 ●

101 (Pearlescent ink) ●●
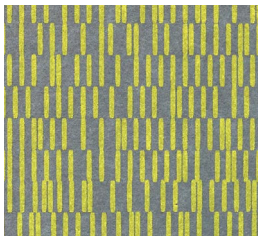
213 (Pearlescent ink) ●
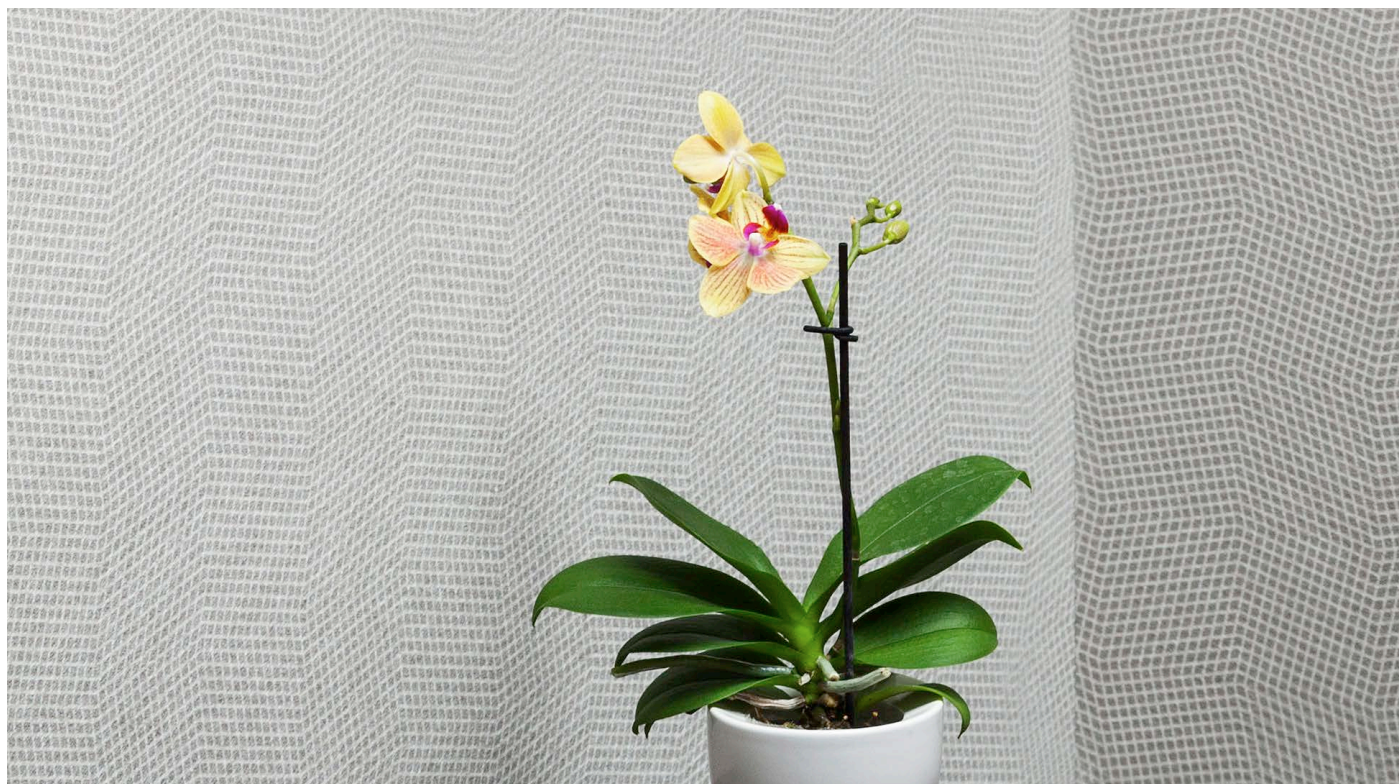
301 (Pearlescent ink) ●

544 (Pearlescent ink) ●●

577 ●

612 ●

641 (Pearlescent ink) ●●

ECHOPANEL® TILT
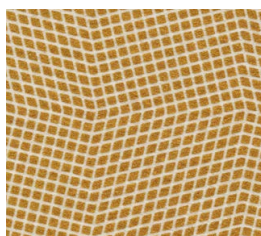

EchoPanel® Tilt colourway #402

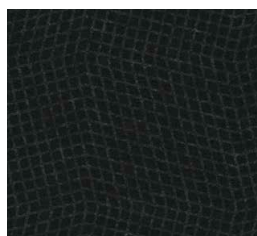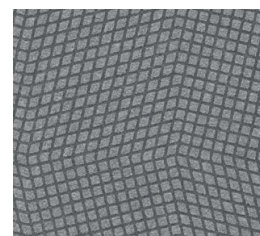|	
Designed By	Woven Image
Dimensions	2800mm (+/-10mm) x 1200mm (+/-5mm) x 12mm (+/-7%)
Pattern	Horizontal: 128mm, Vertical: 128mm
Print	Double Sided
Print Tolerance	Horizontal: +/-10mm, Vertical: +/-10mm

501
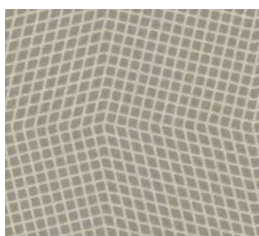
402

131 (Pearlescent ink)

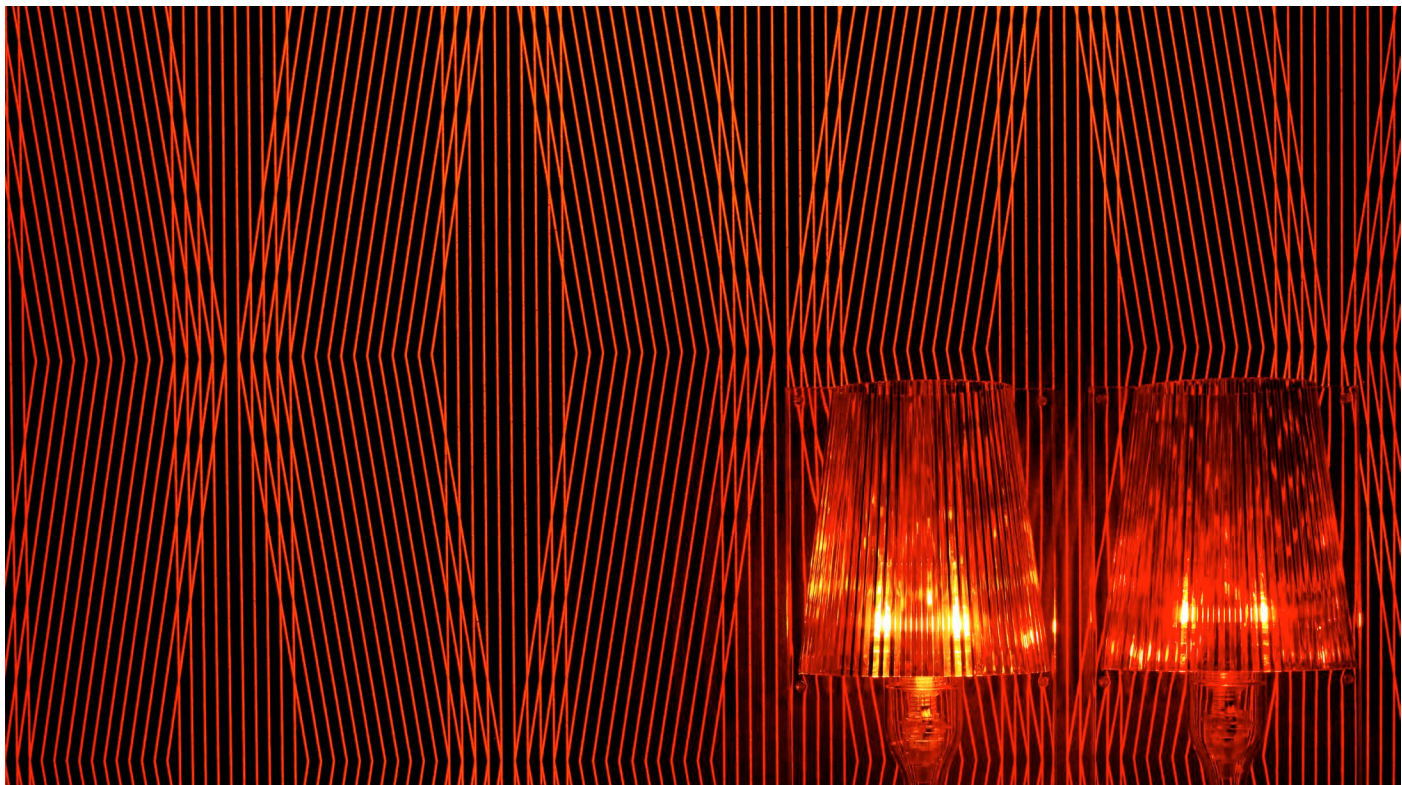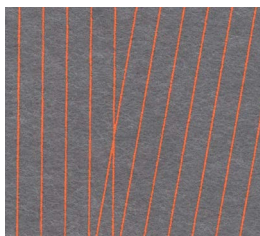545

448

ECHOPANEL® TRAPEZE

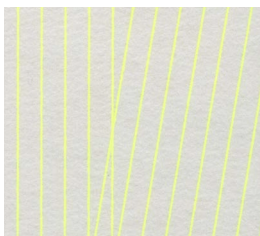EchoPanel® Trapeze in colours #150 under UV lighting

Designed By	Woven Image
Dimensions	2800mm (+/-10mm) x 1200mm (+/-5mm) x 12mm (+/-7%)
Pattern	Horizontal: 400mm, Vertical: 590mm
Print	Double Sided
Print Tolerance	Horizontal: +/-10mm, Vertical: +/-10mm

150 (Fluorescent)
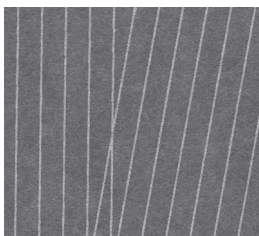
443

107 (Fluorescent)
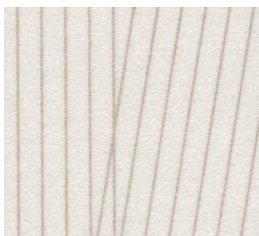
454 (Pearlescent ink)

ECHOPANEL® HEX

EchoPanel® Hex in colourway #442

Designed By	Bang Design for Woven Image
Dimensions	2800mm (+/-10mm) x 1200mm (+/-5mm) x 12mm (+/-7%)
Pattern	Horizontal: 74mm, Vertical: 130mm
Print	Double Sided
Print Tolerance	Horizontal: +/-10mm, Vertical: +/-10mm

444

111

542

HURFORD'S

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