

acoUfelt
making quiet

Making
Quiet™

Acoufelt is all about Making Quiet™ for working, learning and living spaces.

World class thought leadership drives the Acoufelt Acoustic FWC™ philosophy of delivering acoustic materials suitable for all three surfaces; Floor, Wall and Ceiling. Our industry specific innovative solutions eliminate compromise, allowing you to design for the ears as well as the eyes.

The effect of sound

We are affected by sound in more ways than anyone could have anticipated.

This is why it has become imperative to consider the effects of the interference of sound, noise levels and inadequate acoustics on our day-to-day lives.



physiologically



psychologically



cognitively



behaviorally

On a **physiological** level, hearing is our primary warning sense. Exposure to unexpected or loud sounds causes the release of the hormone cortisol, which increases our heart rate and disrupts our regular breathing pattern. Long-term exposure to sudden or loud noises has been linked to an increased risk of cardiovascular health problems.



Psychologically, sound is deeply connected to emotions and moods. Excessive unpleasant sound can cause stress, as well as make us less sociable, less helpful and less approachable. The psychological effects from noise ranges from temporary annoyance, to long-term disorders.



Cognitively, numerous links have been drawn between sound and cognitive function. This is especially relevant for young children whose cognitive skills are not likely to be fully developed until the age of 12. As a result, they will often face difficulties when it comes to learning and processing new information when placed in a loud classroom environment. At all ages, our tendency to passively comprehend human speech makes any level of conversation highly distracting – which can hugely impede productivity.



Behaviorally, due to these conscious and subconscious effects, as individuals we instinctively navigate away from unpleasant sounds. When made to work, live and learn within unsatisfactory acoustic environments, we react by creating our own environments, such as by putting headphones in, shutting ourselves away into quiet spaces, or by avoiding the space all together. The outcome is one of decreased productivity and collaboration; a contagious phenomenon that has the propensity to affect all that reside within the space.



As managers, teachers, landlords, facility managers, designers and architects, we hold both a legal and moral responsibility for the well-being, productivity and health of the individuals in the spaces we create. By fostering pleasant acoustic environments to accommodate the people within them, we add value to our businesses, institutions and residences.



So, how do we
resolve this?

Acoufelt strives towards Making Quiet™ in working, learning and living spaces. By first inquiring into the purpose of the space, we can create acoustic environments that are best suited to the needs of the space – and subsequently - the needs of the individuals within these spaces. This is the philosophy that drives our business.

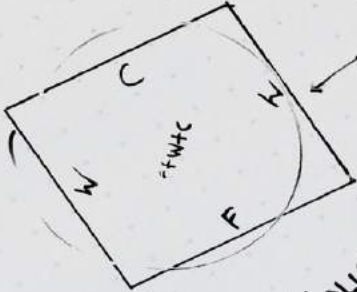
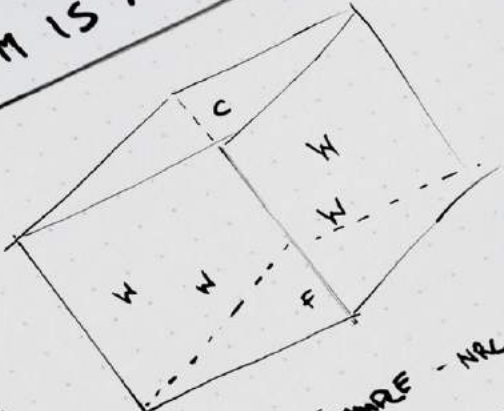
A ROOM IS A BOX

FWC

FLOOR

WALL

CEILING



EVERY SOURCE

HOLISTIC
INTEGRATED

SIMPLE - NR.

- F .1 - .45 x 1
- W .1 - 1 x 9
- C .1 - 1

COMPLETE

Acoustic FWC™

The Acoustic FWC™ Philosophy looks at every surface as an opportunity for noise minimization.

Acoustically, every room is a cube: one floor, four walls and one ceiling. Six internal surfaces that contribute to either reflecting noise or Making Quiet™. Acoufelt's designs, treatments and proprietary capabilities are used cumulatively to provide integrated and holistic acoustic solutions.

acoufelt.com/acousticfwc



Global Talent, Care and Knowledge

World class thought leadership drives our approach to problem solving and delivering innovative solutions. People, strategy and culture is at the heart of Acoufelt's international success. The Acoufelt Advisory Board of global industry leaders within the fields of acoustics, design, materiality, manufacturing, health and human factors has enabled us to excel in industry leadership.

acoufelt.com/people



MORE THAN 60% OF OUR MATERIALS COME FROM RECLAIMED WASTE PRODUCTS

Sustainability is Standard

Acoufelt acoustic products are manufactured using a high percentage of recycled materials, making them fully recyclable at their end-of-life, as well as able to meet a variety of global environmental accreditation labels including Declare, WELL, SCS Global, LEED and USGBC.

Reduce

Recycle

Re-use

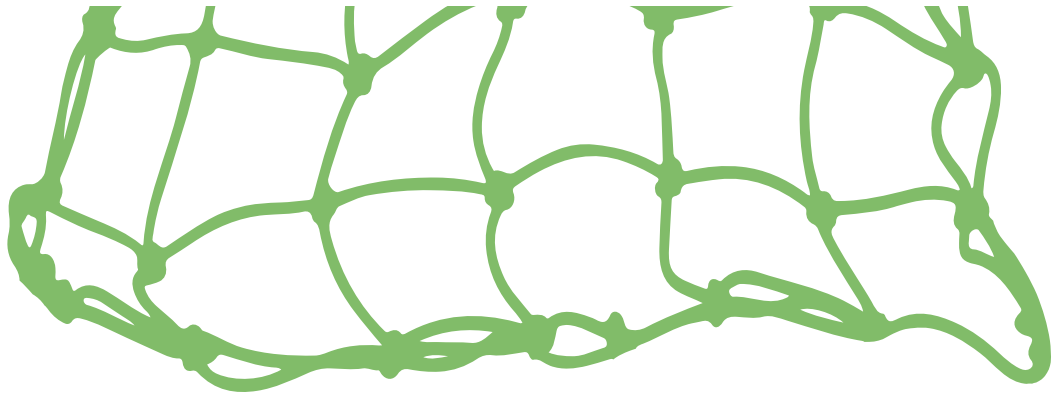
Reduce

Recycle

Re-use

Reduce

Recycle



FIBERS SOURCED FROM ECONYL®



CUSTOM PROJECT FEATURING QUIETPRINT™

Making Quiet™ is about Solutions

The Acoufelt design studio is driven by a holistic approach, meaning that we do what is required to solve the problem. Services such as designing, cutting, bevelling, numbering, building and delivering are a few of the things we do to achieve a balanced result for the ears and the eyes.

Measure

Design

Render

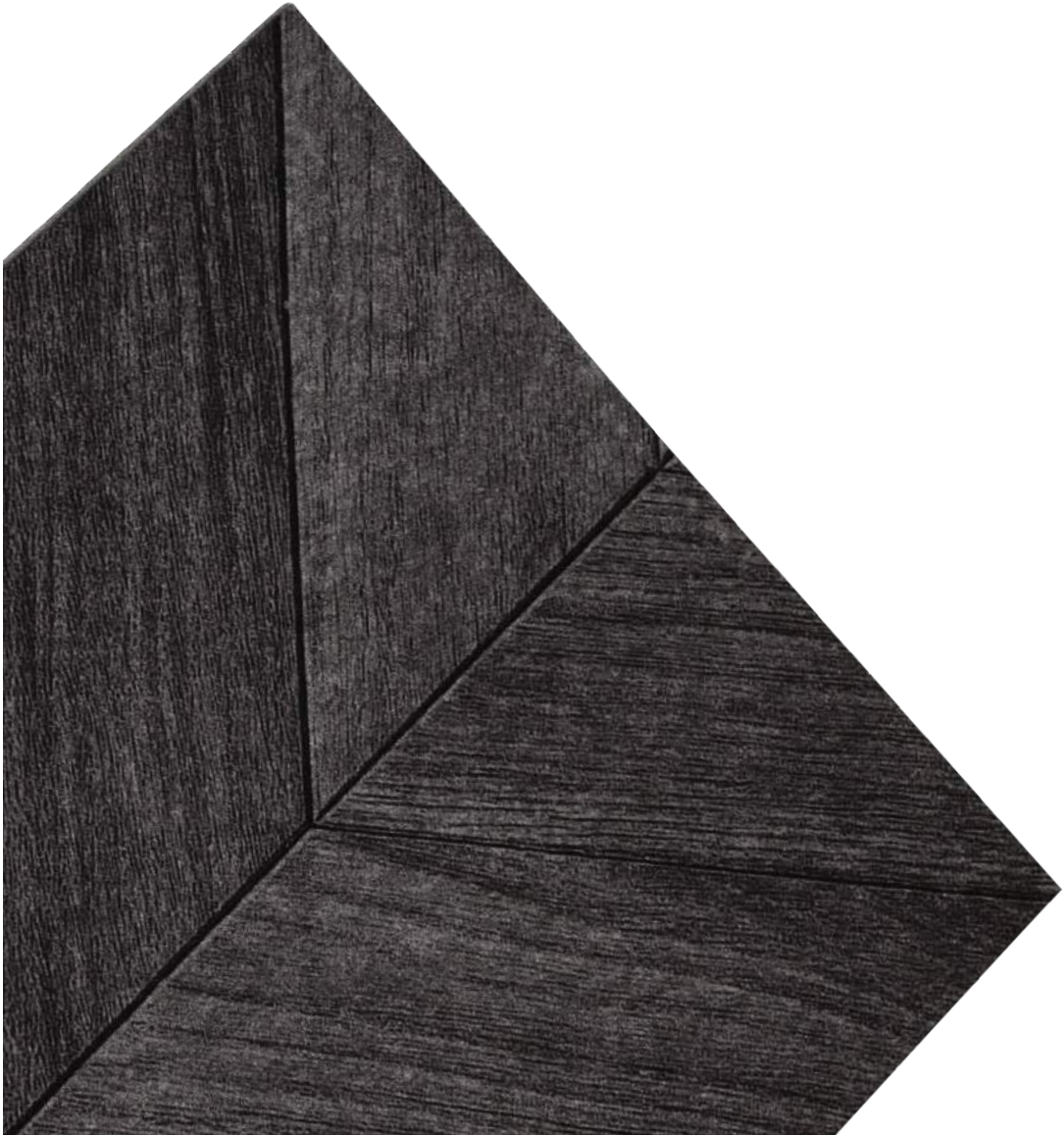
Cut & Bevel

Build

Deliver

Absorb





ACOUSTIC QUIETPRINT™ PANEL – CHEVRON TIMBER BLACK (QP06)

QuietPrint™

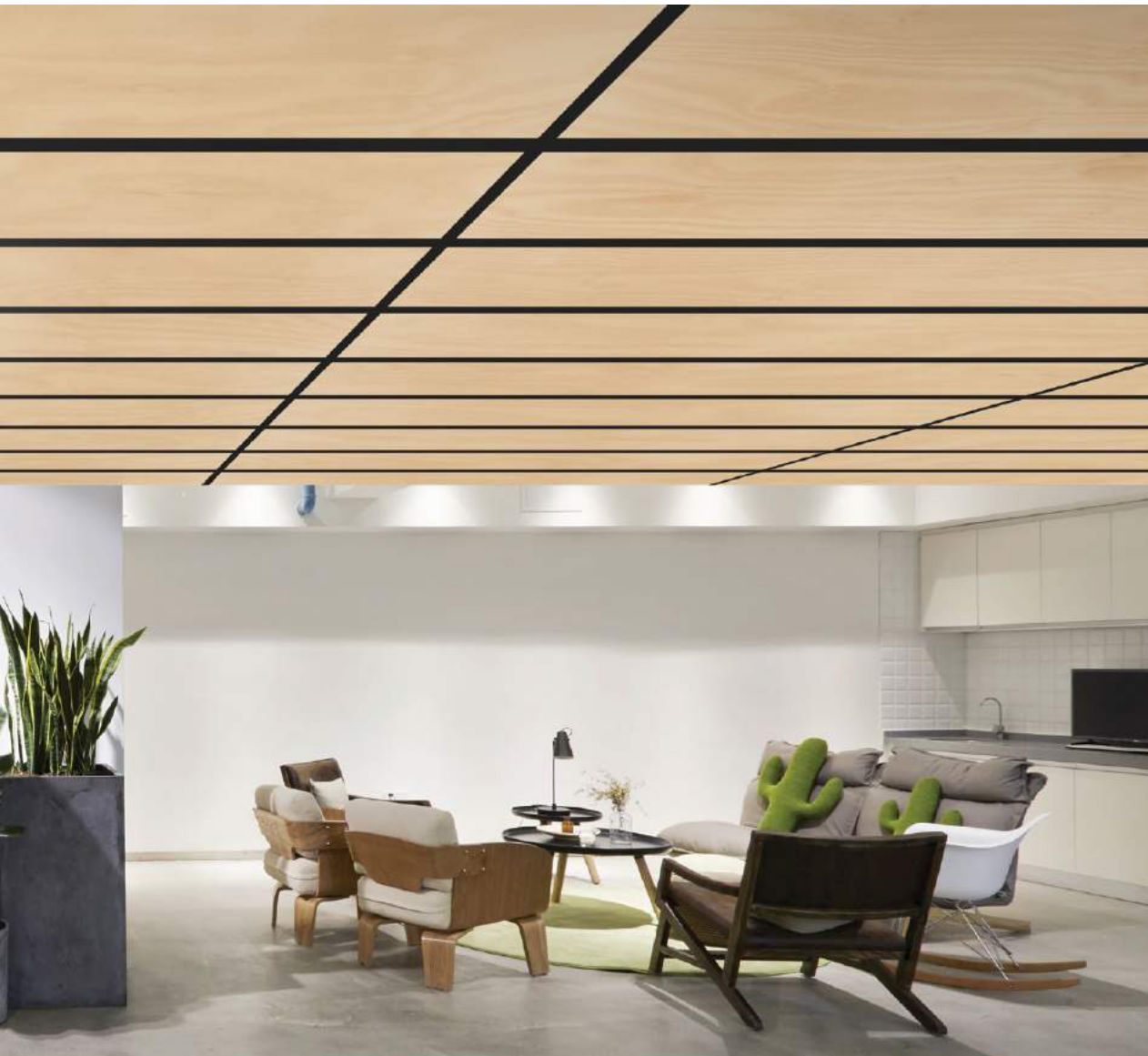


ACOUSTIC QUIETPRINT™ PANEL – CHEVRON TIMBER WHITEWASHED (QP08)

When printing on acoustic material, there is often a trade-off between acoustic performance and printing resolution. Many high-resolution printing techniques involve laying down a hard-setting paint or ink over the top of the base surface. This can result in filling the air gaps in the porous surface of an acoustic material. If the sound cannot penetrate the surface of the material, it cannot be absorbed. Other printing techniques allow the color to “run” in the material, like a drop of ink on a blotting sheet. This can result in a poor resolution image as the fine edges blur.



ACOUSTIC CEILING TILES FEATURING QUIETPRINT™ PLYWOOD





ACOUSTIC QUIETPRINT™ PANEL – MASONRY CONCRETE STAINED (QP28)

QuietPrint™ applies print technology that colors the fiber with high precision, whilst ensuring air-gaps in the porous material remain open to absorbing noise. The net result is a printing technique that is high resolution, but that has no significant impact on the acoustic performance of the base material.

acoufelt.com/quietprint



ACOUSTIC QUIETPRINT™ PANEL – CUSTOM DESIGN

CASE STUDY

Voila Café



PHOTOGRAPHER IN OTWAY FOREST TAKING PHOTO FOR CUSTOM PRINT

Café Voila is situated in the countryside Victorian town of Colac. When in such a beautiful location, addressing the acoustic limitations must be done sensitively.

For Café Voila, the designer wanted to feature a photograph of the trees from the nearby Otway forest. Towering California redwoods planted over 100 years ago now create a unique environment that gives character to the town of Colac. The designers wanted to make this an aesthetic feature of the café, whilst also implementing an acoustic solution.

Through Acoufelt's custom QuietPrint™ capability, the image was printed onto an acoustic panel. This was attached to a central wall, enhancing the décor of the café, as well as helping the interior designer with the task of Making Quiet™.



ACOUSTIC QUIETPRINT™ PANEL – CUSTOM DESIGN





acoufelt
acoustic foam panels

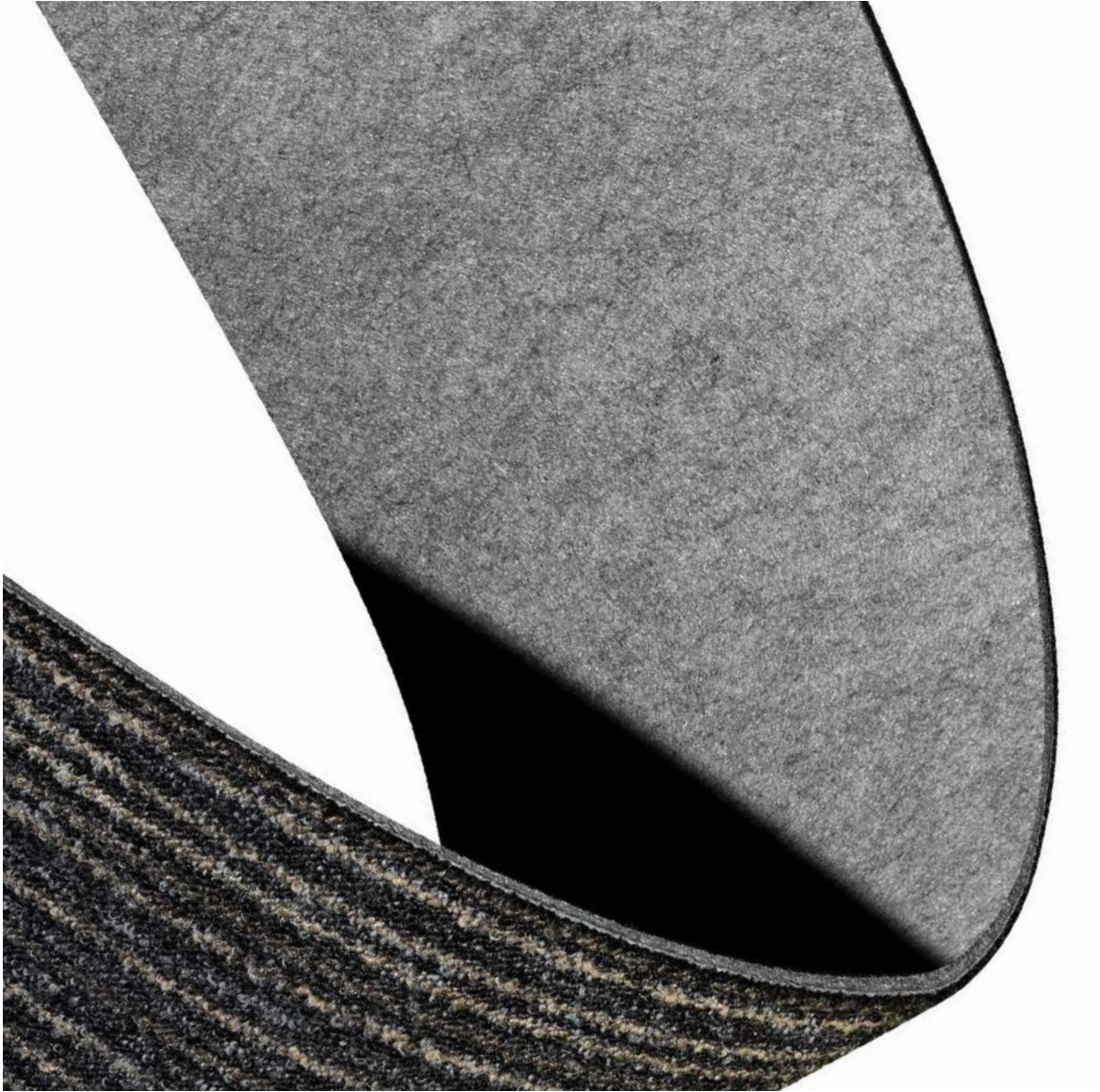
Geometric pinwheels small





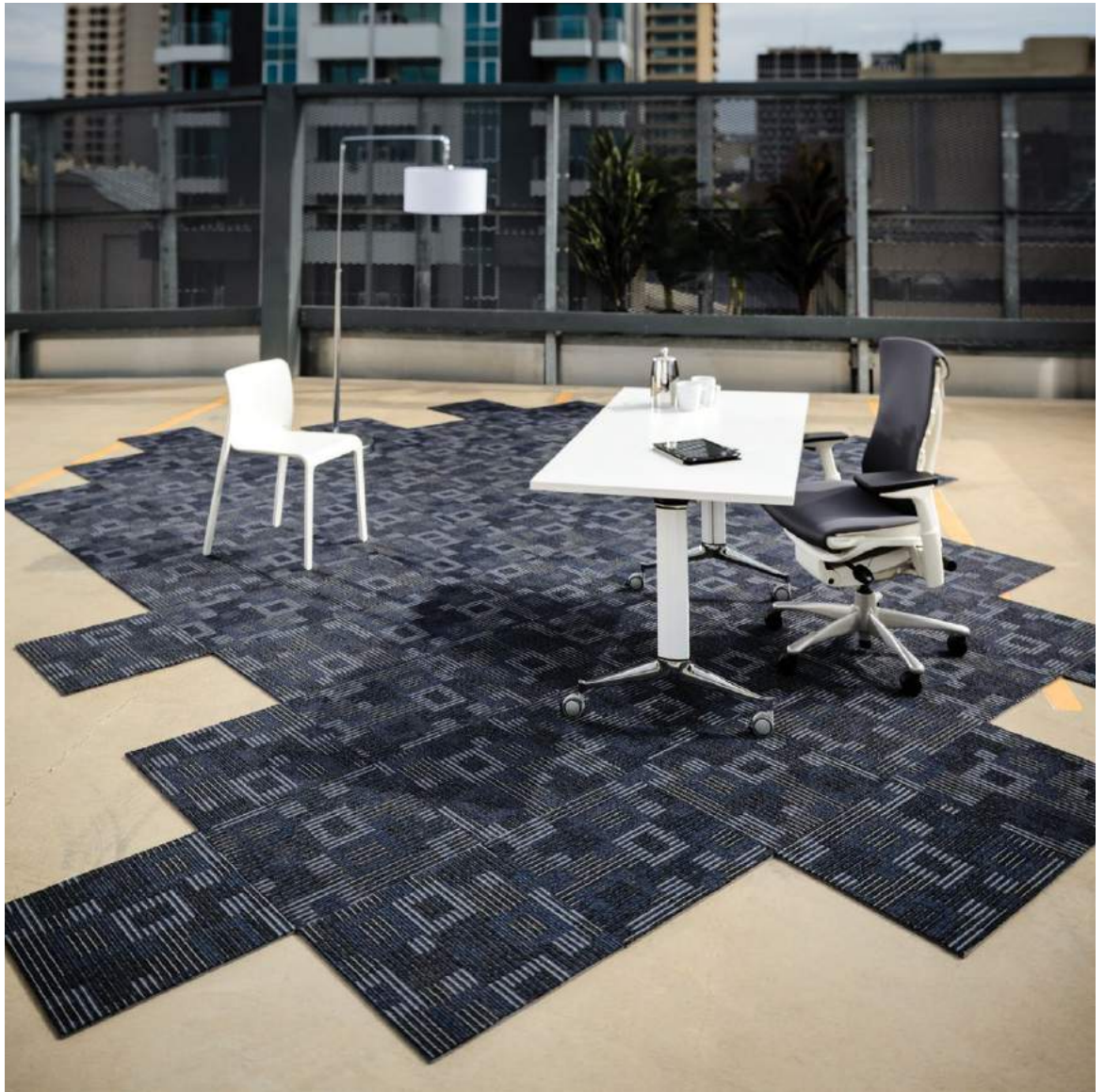
Collections+

acoufelt.com/quietprint/designs



QUIETBACK™ CARPET TILE – CANYON (LIMESTONE CA06)

QuietBack™



QUIETBACK™ CARPET TILE – URBAN (SYDNEY HARBOUR UR04)

The highest performing commercially graded acoustic carpet tiles in the Acoufelt floor offering feature QuietBack™. When a carpet is specified as featuring QuietBack™, you know that the holistic carpet construction has been optimized for its acoustic performance. This works when the face pile layer has been attached directly to the felt, allowing the pile and backing to work together. This significantly increases the air flow capability of the tile, which in turn increases the acoustic absorption results. This is an important acoustic concept.

acoufelt.com/quietback

100+ Designs

acoufelt.com/quietback/designs







QUIETBACK™ CARPET TILE – PALETTE (VARIOUS)

CASE STUDY

Highgate Healthcare

Highgate Healthcare is a leading provider of healthcare equipment in Australia.

Key to their showroom project was ensuring the space was quiet – reflecting the ideal recuperative environment in the healthcare industry – whilst also maintaining the aesthetic integrity of the elegant new space.

Acoufelt Scatter QuietBack™ carpet tiles provided a seamless appearance across the space, which was contrasted with color from the QuietBack™ Palette collection.

Healthcare professionals understand the dangers of poor acoustics and the health benefits of reducing noise. Acoufelt is all about Making Quiet™, which at its core means creating environments to facilitate the health and wellbeing of others.

Acoufelt wall and ceiling panels achieve an NRC result up to 1.0 and are available in a variety of solid colorways. Depending on the acoustic requirements of the room, acoustic panels can be applied to cover the entire wall or ceiling, or as a standalone feature, adding color and texture to the space. Both standard and custom dimensions are available for this product.

Acoustic Panels

SOLID ACOUSTIC PANEL – CHARCOAL (CHAR600)



15+ Colors

acoufelt.com/panels/colors





acoufelt
acoustic felt
METAL

METAL

acoufelt
acoustic felt
WHITE

WHITE

acoufelt
acoustic felt
Lime Green

Lime Green

acoufelt
acoustic felt
SPIN ORANGE

SPIN ORANGE

acoufelt
acoustic felt

acoufelt

acoufelt
acoustic felt

acoufelt

acoufelt
acoustic felt
IVORY

IVORY



FRACTURE ACOUSTIC PANEL – BUTTER (BU12)

Fracture Collection



FRACTURE ACOUSTIC PANEL – WHITE (WH12)

The Acoufelt Fracture Collection of acoustic panels delivers on both acoustics and modern minimalist design. The distinguishing indented 'Fracture' pattern provides visual texture, helping architects and designers eliminate the trade-off between acoustic and aesthetic demands. Featured in fifteen carefully selected colorways, Fracture panels can be installed to suit the aesthetic requirements of any working, learning and living space.

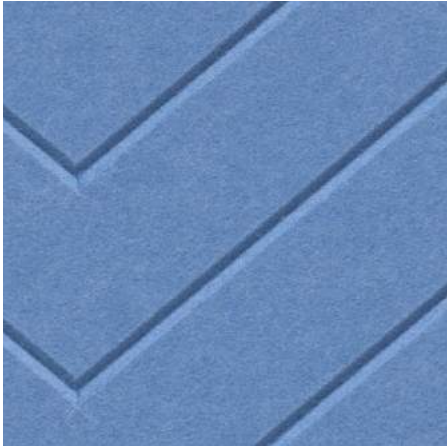
Fracture panels achieve an NRC of 0.64 when installed with an air gap in accordance with instructions using the magnetic mounting system. When directly stuck, they achieve a base NRC of 0.45.

acoufelt.com/fracture





FRACTURE ACOUSTIC PANEL – MARINE (MA12)



MARINE (MA12)



CARROT (CA12)



GREY (GR12)



IVORY (IV12)



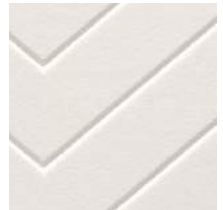
BUTTER (BU12)



METAL (ME12)



CHARCOAL (CH12)



WHITE (WH12)



PEARL (PE12)



LIPSTICK (LP12)



MIDNIGHT BLUE (MB12)



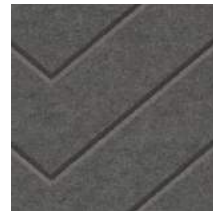
PLATINUM (PT12)



PIANO BLACK (PB12)



WASABI (QP09)



SLATE (SG12)



ACOUSTIC ART – INDIA by HELENE HARDY

Acoustic Art



ACQUSTIC ART - WELCOME TO CASH WORLD by DREW HARRISON

The Acoufelt Acoustic Art project comprises reproductions of hand-selected and unique works of art by contemporary artists, printed on acoustic panels. Achieving an NRC of 0.75, not only are the pieces visually stunning, but they are the perfect flexible sound solution for spaces where comprehensive floor, wall and ceiling treatments may not be suitable.



WELCOME TO
CASH WORLD

Drew Harrison



TIGERS IN THE ATTIC



SUPER FUNKEE JUNKEE MONKEE



A BEGINNER'S
GUIDE TO PLANETARY
DOMINATION



THE IMPOSTOR



MEDUSA COMPLEX



THE FARMER



TREE



ARCHITECTURAL STILL LIFE 5



COLOURED BLOCKS
AND PLANE



THE DRUMMING BOY AND THE HIPPOPOTAMUS



THE DIVER, THE
CHICKEN AND THE FOX



Ross Morgan



COOBER PEDY



MOROCCO

Helene Hardy



INDIA



SAGRADA FAMILIA



RISING SUN



SOUTHERN LIGHTS

2019

NEXT 3 FEATURED ARTISTS ANNOUNCEMENT MID 2019



ACOUSTIC ART – THE FARMER by ROSS MORGAN



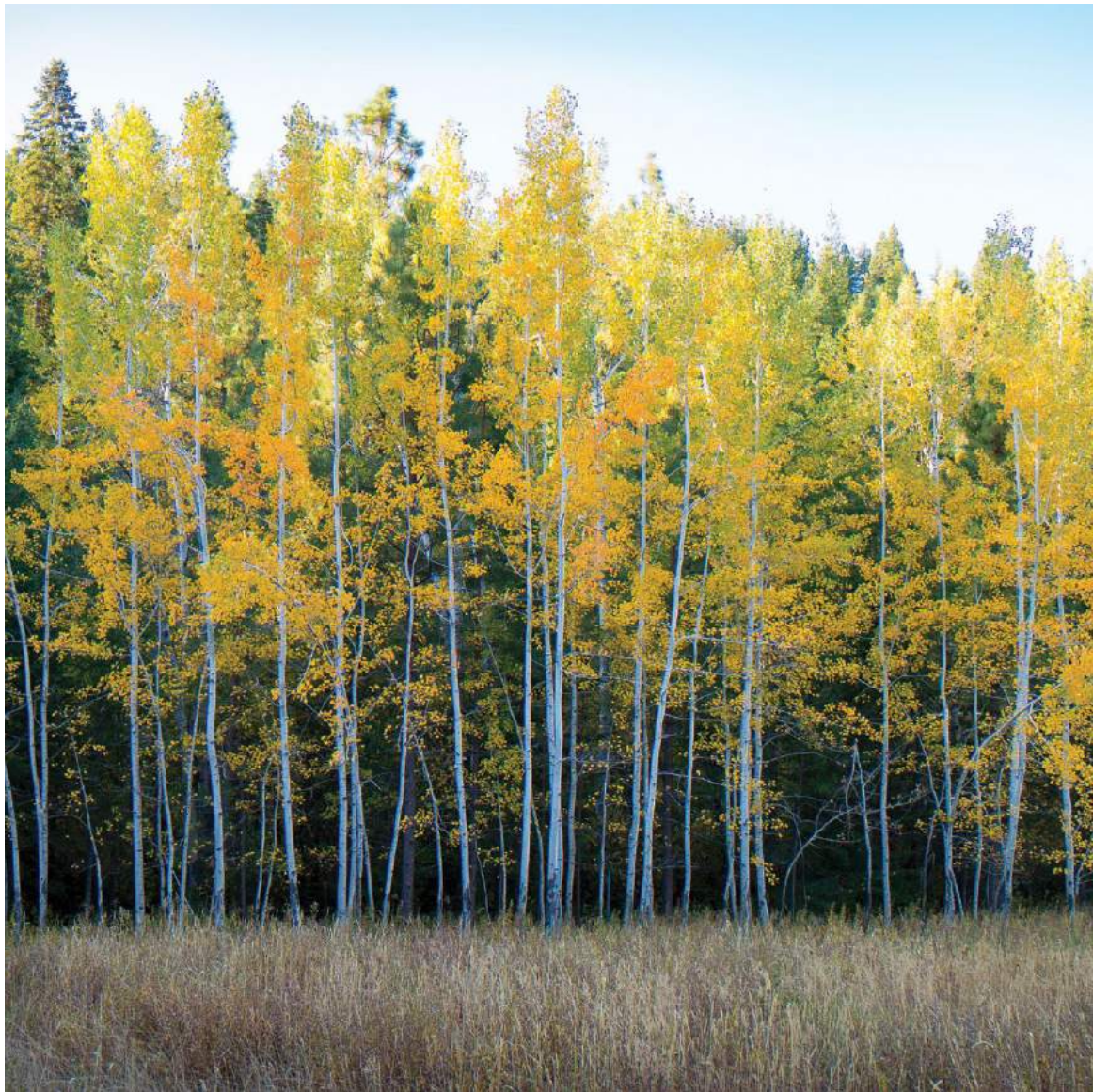


Quiet Sculpture



QUIETSCULPTURE

QuietSculpture is a series of handcrafted pieces that personify the Acoufelt narrative of removing the trade-off. The trade off is between acoustics and aesthetics; the auditory quality of the space versus the visual appeal. QuietSculpture is the result of layering sound absorptive materials, creating visual dimension and texture, as well as functional air-trapping chambers. The final piece is a high achieving acoustic instrument; suitable for all of your working, learning and living spaces.



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*Product specifications and information provided may change at any given time without notice.

**Simulations and photos are provided for visual impression purposes only. Actual products may differ to physical product due to printing and digital variations.

March 2019



acoufelt.com