


Aesthetic + Acoustic + Enviro-sensitive



WoodBeQuiet™

The background of the entire page is a dark green color with a subtle, repeating pattern of wood grain or tree rings, creating a textured, organic feel.

Aesthetic Acoustic Enviro-sensitive

3 technologies unite to
create WoodBeQuiet™.

WoodBeQuiet™ is the
synchronisation of visual
beauty, superior sound
absorption and environmental
sensitivity. The whole is
greater than the sum of its
parts. Three become complete
in one; past, present and
future aligned.

That is WoodBeQuiet™.





Wood is beautiful Be **Aesthetic**

It is warm and comforting, classical and elegant, uncomplicated yet sophisticated. Like rolling green hills on a blue-sky day or the sun setting over a mirror still ocean, the grain pattern of wood is calming to the eye. It connects with us inside, and resonates with our inherent desire to be connected with nature. Today, as we see a decline in the use of harsh industrial materials, there is a trend emerging, a welcomed return, to the classic beauty and warmth of wood.

Wood is noisy Be Acoustic

The use of wood in our interiors contributes to sound reverberation, creating an environment that is unpleasant to the human ear. As we create spaces to ultimately serve the people within them – this often removes wood from interior design plans. Once again, we are faced with a compromise between acoustic and aesthetic priorities. But what if wood could be quiet?

WoodBeQuiet™ removes the compromise between acoustics and aesthetics; allowing for design that caters to the ears as well as the eyes. Through our QuietPrint™ capability, the surface fibres of each acoustic plank are coloured with precision, ensuring air-gaps in the porous material remain open to absorbing noise. In effect, we have a surface with the warmth and beauty of wood, yet it is quiet.





“Would” is intent Be Enviro-sensitive

Climate change, deforestation and plastic pollution are the biggest environmental problems facing humanity today, making it more important than ever to design with intent. According to Euromonitor, over one million plastic bottles are brought into the world every minute.

WoodBeQuiet™ is made from recycled PET material, such as plastic bottles, which would otherwise end up in our waterways to a devastating effect.

WoodBeQuiet™ is about converting waste into unique pieces of design innovation. To complete the circle, each plank is also 100% recyclable. This is a reflection of our commitment to sustainable products and environmentally sensitive design. Past, present and future aligned.

What is the purpose of the space?

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.



The effect of sound

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



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.



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. At all ages, our tendency to passively comprehend human speech makes any level of conversation highly distracting – which can hugely impede productivity.



Behaviourally, due to these conscious and subconscious effects, as individuals we instinctively navigate away from unpleasant sounds. The outcome is one of decreased output and collaboration; a contagious phenomenon that has the propensity to affect all that reside within the space.



Technical information

Acoustic NRC Rating	Min. 0.45
Product Application	Wall and Ceiling
Dimensions	200mm x 1000mm 8' x 39'
Thickness	12mm +/- 10% 0.47" +/- 10%
Feature Capability	QuietPrint™
Material	100% Polyester

Acoufelt strives to fulfil the needs of their customers by producing the highest quality felt products. However due to the fine, fibrous and textural nature of the product, slight visual imperfections or dye lot variations may be seen when viewing the product closely which are within normal industry manufacturing tolerances.

Environmental

Min. 60% recycled content
including PET bottles

Indoor Air Quality

Low VOCs emission, formalde-
hyde and Phenol-free

Color Fastness

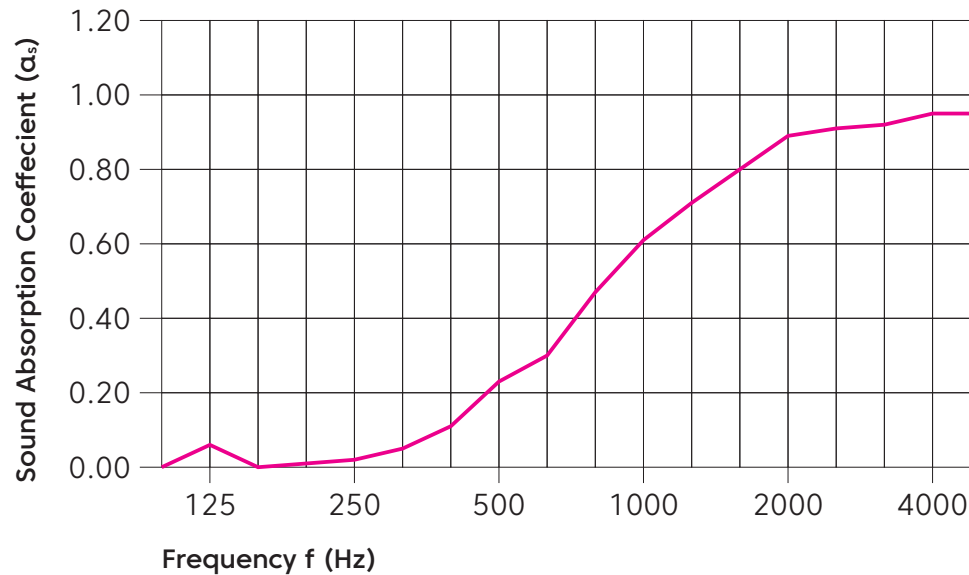
ISO 105-B02 1994, 6-7

Fire Test Certified

ISO 9705: 1993 Group 2
AS ISO 9705: 2003 Group 2
ASTM E84-17a Class A

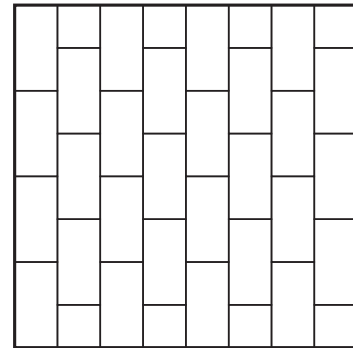
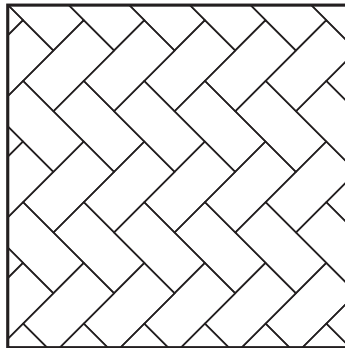
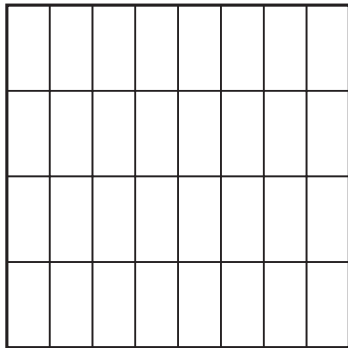
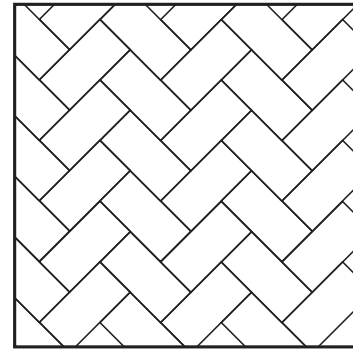
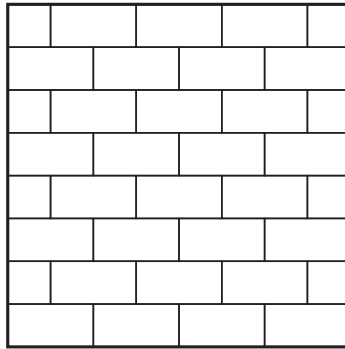
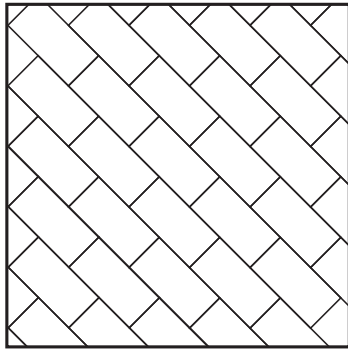
For warranty and installation guides, visit [acoufelt.com/downloads](https://www.acoufelt.com/downloads)

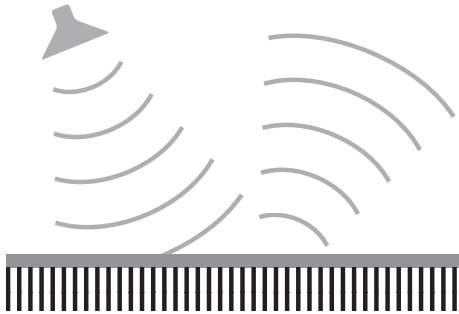
Sound Absorption Results



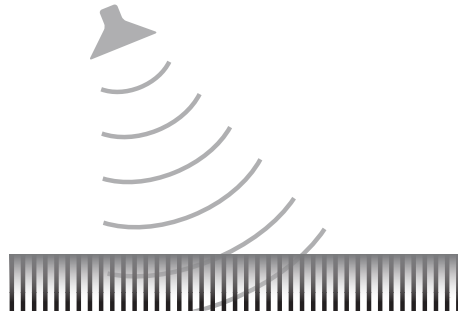
Frequency (Hz)	125	250	500	1000	2000	4000	NRC
α_s	0.06	0.02	0.23	0.61	0.89	0.95	0.45

Installation Method Ideas

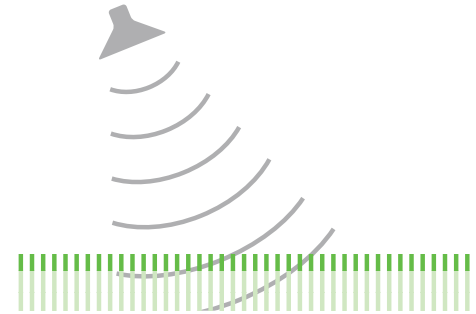




Some printing techniques create an impenetrable layer that **REFLECTS** sound



Some printing techniques allow the ink to 'run' into the material, resulting in a **POOR RESOLUTION** image



Acoufelt QuietPrint™ colours the fibres with high precision, whilst ensuring air gaps remain open, **ABSORBING** sound and creating a **HIGH RESOLUTION** image



Printing method has no substantial impact on acoustic performance



Superior breathability



Excellent resistance to fire



Super fine fibres to achieve a smooth surface appearance



Thermal efficiency



Anti-static treated – reducing dust cling



Certified low VOC



10 year lightfastness warranty



3M Scotchgard protection



Highly customisable

QuietPrint

Acoufelt™ is committed to removing compromises in the design process. This has driven our approach to QuietPrint™, eliminating the compromise between acoustics and aesthetics.

QuietPrint™ applies print technology that colours the fibre 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, that has no significant impact on the acoustic performance of the base material.

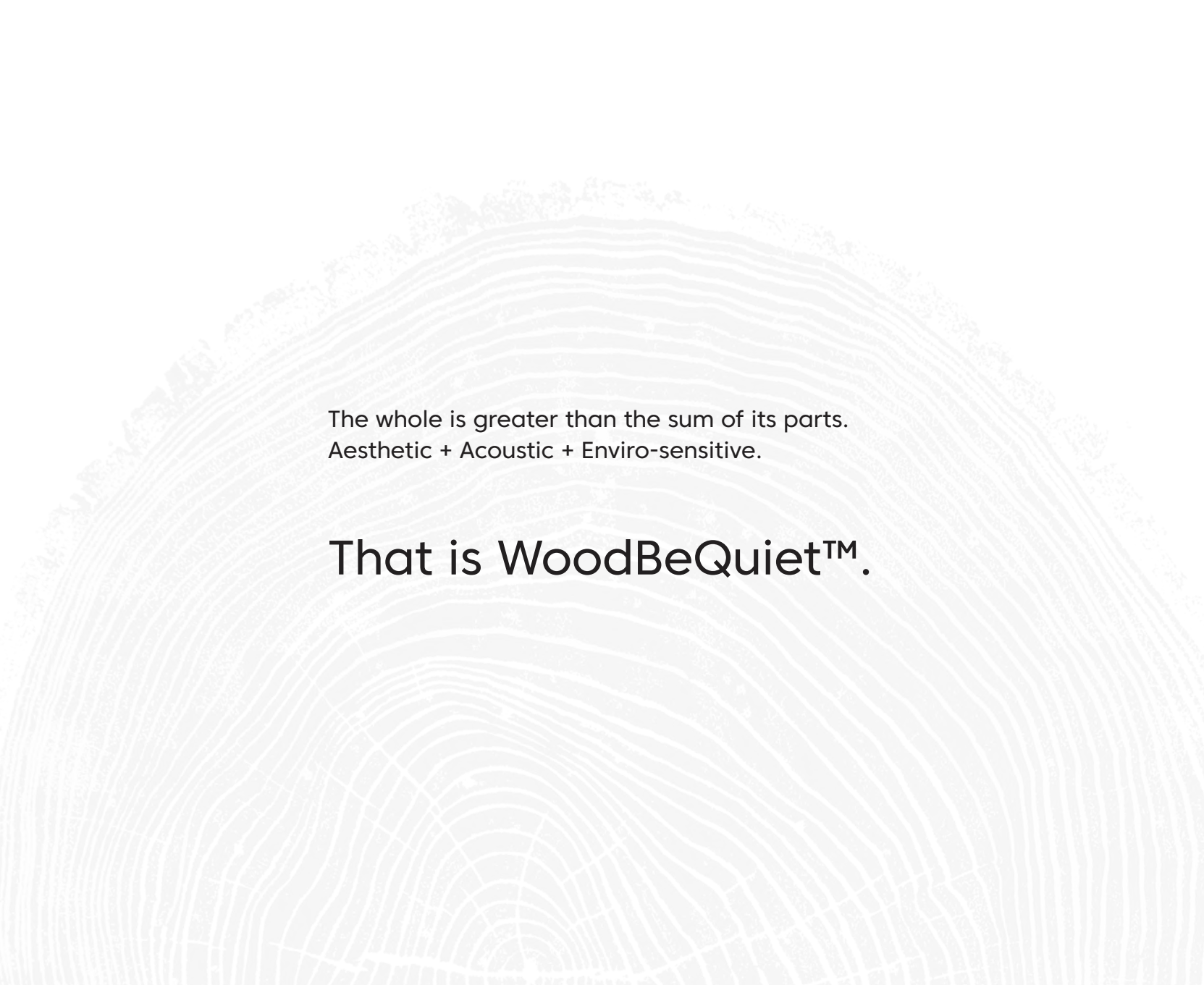






Past, present and future aligned

Acoufelt is all about Making Quiet™. World class thought leadership in acoustics drives our approach to problem solving, which results in an increasing number of industry specific innovative solutions. The Acoustic FWC™ Philosophy of delivering acoustic materials for all three surfaces – Floor, Wall and Ceiling – has guided our approach to WoodBeQuiet™ as a revolutionary acoustic treatment for the wall. WoodBeQuiet™ alleviates the practical issues associated with using wood in design, with the added benefit of superior acoustic performance and the use of converted recycled plastics. The Acoufelt holistic approach means we find ways to eliminate compromise; our solutions allow you to design for the ears as well as the eyes.

The background of the entire image is a light gray, semi-circular wood grain pattern. The grain lines are concentric and curved, radiating from the center, creating a sense of depth and texture. The pattern is most prominent in the lower half and fades slightly towards the top.

The whole is greater than the sum of its parts.
Aesthetic + Acoustic + Enviro-sensitive.

That is WoodBeQuiet™.



WoodBeQuiet™

acoufelt
making quiet

acoufelt.com/woodbequiet