

Wall Panel

Featuring QuietPrint™

12mm | ½”

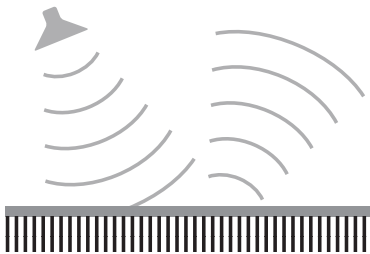
Acoufelt panels have strong acoustic properties and achieve a minimum Noise Reduction Coefficient (NRC) of 0.45 with no air gap. Panels are available for print in a wide variety of designs with custom printing options available. Custom sizing is also available on request.

QuietPrint™ eliminates the compromise between acoustics and aesthetics.

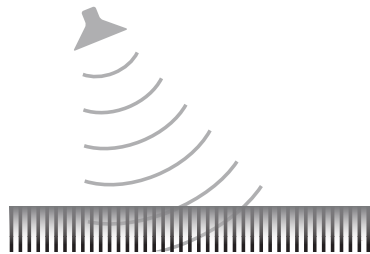
When printing on acoustic material, there is often a trade-off between acoustic performance and printing resolution.

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, that has no significant impact on the acoustic performance of the base material.

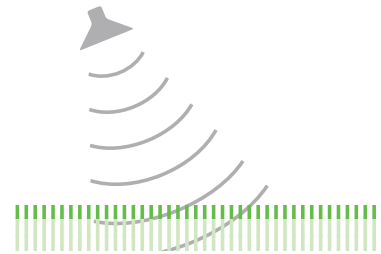
To learn more visit acoufelt.com/quietprint



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™ colors the fibers with high precision, whilst ensuring air gaps remain open, **ABSORBING** sound and creating a **HIGH RESOLUTION** image

Key features of the Acoufelt panels featuring QuietPrint™ include:

-  Printing method has no substantial impact on acoustic performance
-  Superior breathability
-  Excellent resistance to fire
-  Super fine fibers 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 customizable

Product Specifications

Application	For wall	
Material	100% Polyester fibers with more than 60% recycled content	
	METRIC	IMPERIAL
Weight	2400 g/m ² +/- 10%	0.49 lb/ft ² +/- 10%
Panel Size	1,220mm x 2,440mm	48" x 96"
Thickness	12mm +/- 10%	0.47" +/- 10%

Technical specifications

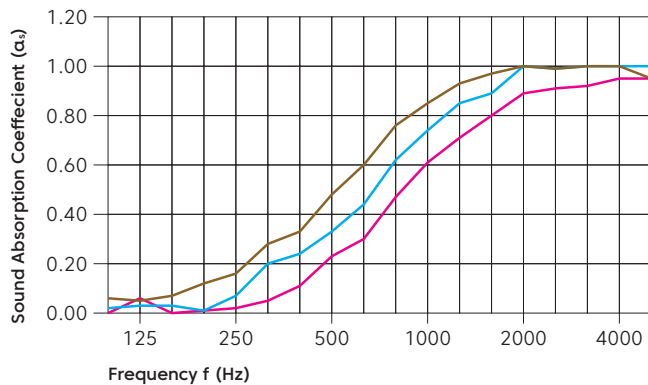
Fire Testing	ISO 9705: 1993 Group 1 AS ISO 9705: 2003 Group 1 ASTM E84-17a Class A
Indoor Air Quality	Low VOCs emission, formaldehyde and Phenol-free
Light Fastness	ISO 105-B02 1994, 6-7

Environmental

Made from >60% recycled PET content

Acoustic Performance

Sound Absorption ISO 354-2006
NRC 0.45 (no air gap)
NRC 0.54 (12mm air gap)
NRC 0.64 (20mm air gap)

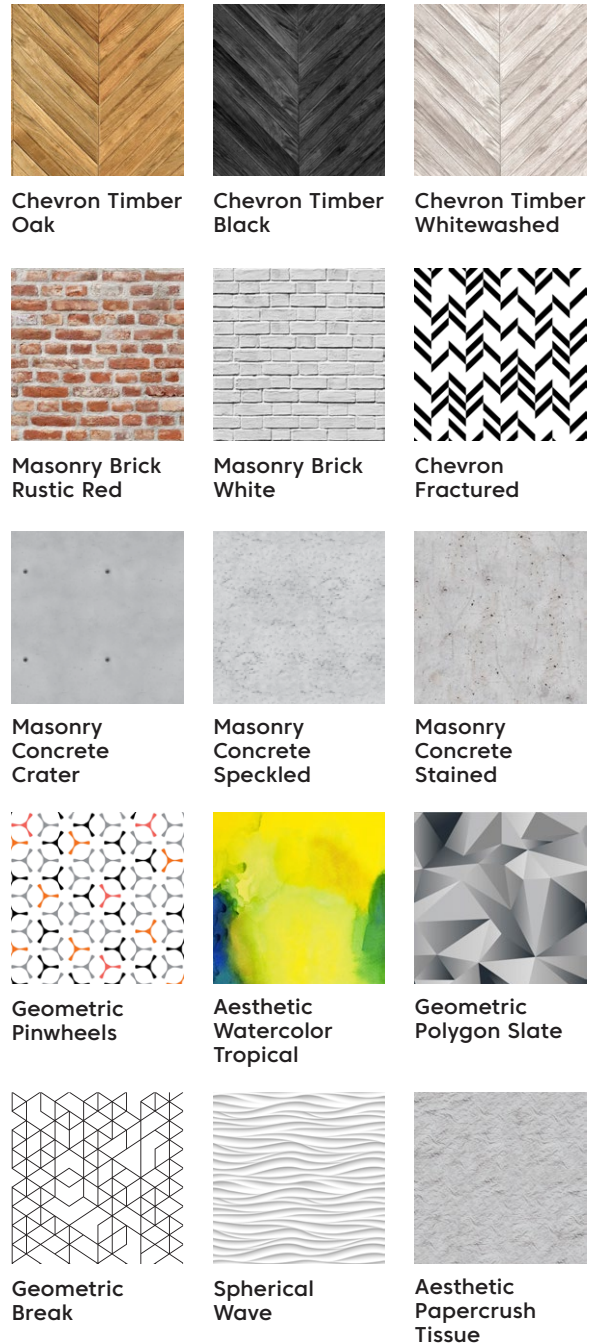


*Graph not to scale.

Frequency (Hz)	125	250	500	1000	2000	4000	NRC
α _s no air gap	0.06	0.02	0.23	0.61	0.89	0.95	0.45
α _s 12mm air gap	0.03	0.14	0.33	0.74	1.00	1.00	0.54
α _s 20mm air gap	0.05	0.16	0.48	0.85	1.00	1.00	0.64



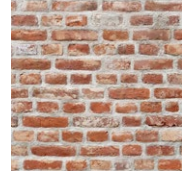
Designs



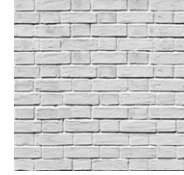
Chevron Timber Oak

Chevron Timber Black

Chevron Timber Whitewashed



Masonry Brick Rustic Red



Masonry Brick White



Chevron Fractured



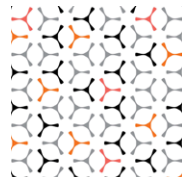
Masonry Concrete Crater



Masonry Concrete Speckled



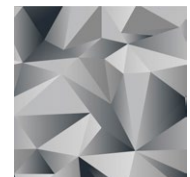
Masonry Concrete Stained



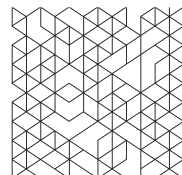
Geometric Pinwheels



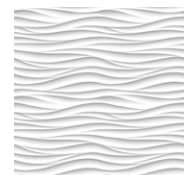
Aesthetic Watercolor Tropical



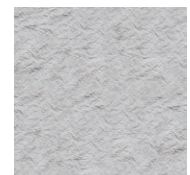
Geometric Polygon Slate



Geometric Break



Spherical Wave



Aesthetic Papercrush Tissue

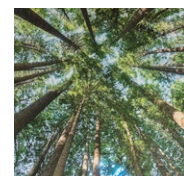
More designs available at acoufelt.com

Custom

Provide us with your own image to be printed on our acoustic panels. Below are some examples of potential uses.



Logo



Nature photography



Themed photography

For further product information visit acoufelt.com

Specifications are based on average from normal manufacturing tolerances, such variations do not effect product performance. We reserve the right to improve the specification of the product without prior notice. 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 may be seen when viewing the product from less than 1 to 1.5 meters. These slight visual imperfections however, are within normal industry manufacturing tolerances. When installing QuietPrint™, we recommend that you align the panels to their closest match at eye level, and allow for +/- 5mm Alignment Tolerance.