Panel

12mm & 24mm Printed

The Printed Collection represents an assortment of hand-selected QuietPrint™ designs, available on a FilaSorb™ acoustic panel for wall applications. Acoufelt panels have strong acoustic properties and achieve a minimum Noise Reduction Coefficient (NRC) of 0.45. Printed panels come in a wide range of standard prints, with custom sizing and cutting available on request.

FILASORB™

FilaSorb™ is made from a substantially heterogeneous blend of fine fibers; different denier combined for specific acoustic results. This combination of fine fibers results in a high active surface area for sound absorption, enhanced resistivity, and a greater interface area for dispersion of noise. This means that products made from FilaSorb™ have been designed for superior acoustic performance.

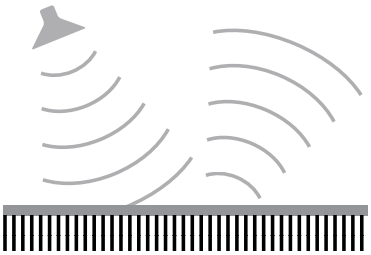
QUIETPRINT™

QuietPrint™ applies print technology that colours 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.

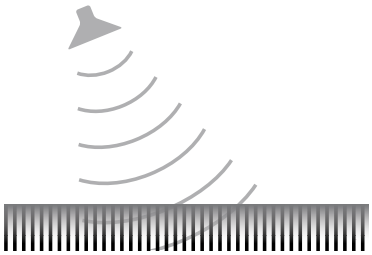
To learn more visit **acoufelt.com/quietprint**

Key features:

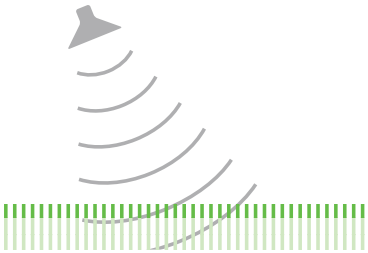
- Surface printed with QuietPrint™
- Made from FilaSorb™
- Breathable
- High resistance to fire
- Smooth surface finish
- Thermal efficiency
- Certified low VOC
- 10 year lightfastness warranty
- Made with recycled content
- Custom available



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

W

Panel – 12mm & 24mm Printed

Product Specifications

Surface Print	QuietPrint™	
Surface	Wall	
Composition	100% polyester	
Material	FilaSorb™	
Recycled Content	60% min.	
	METRIC	**IMPERIAL**
Weight	2400 g/m² +/- 10%	0.49 lb/ft² +/- 10%
	4800 g/m² +/- 10%	0.98 lb/ft² +/- 10%
Panel Size	1,220mm x 2,800mm	48"x 110"
Thickness	12mm +/- 10%	0.47" +/- 10%
	24mm +/- 10%	0.94" +/- 10%
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	

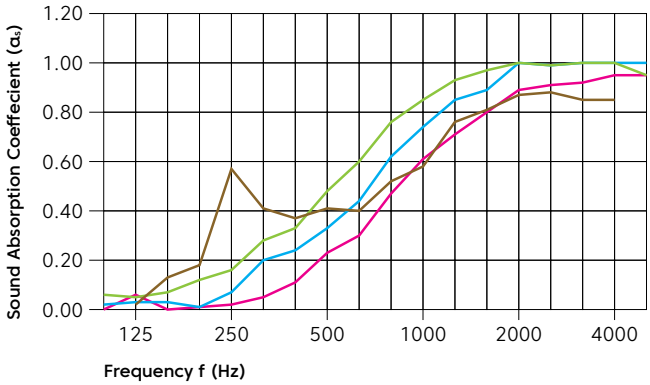
Environmental

'Declare' certification, LCB Red List Free, free from phenol and formaldehyde, low VOC, CDPH compliance, USGBC accredited and recognised under LEED.

Acoustic Performance

Sound Absorption ISO 354-2006

NRC 0.45 (no air gap)
NRC 0.54 (12mm air gap)
NRC 0.60 (no air gap)
NRC 0.64 (20mm air gap)



*Graph not to scale.

Frequency (Hz)	125	250	500	1000	2000	4000	NRC
αs no air gap	0.06	0.02	0.23	0.61	0.89	0.95	**0.45**
αs 12mm air gap	0.03	0.14	0.33	0.74	1.00	1.00	**0.54**
αs no air gap	0.02	0.57	0.41	0.58	0.87	0.85	**0.60**
αs 20mm air gap	0.05	0.16	0.48	0.85	1.00	1.00	**0.64**

Designs


Chevron Timber Oak

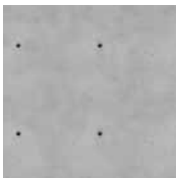

Chevron Timber Black


Plywood

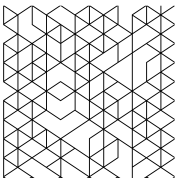

Masonry Brick Rustic Red


Masonry Brick White


Chevron Fractured

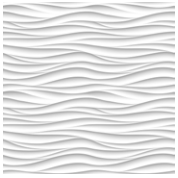

Masonry Concrete Crater


Masonry Concrete Speckled


Geometric Break


Geometric Triangles Slate


Geometric Polygon Slate


Spherical Wave

More designs available at **acoufelt.com**

For further product information visit **acoufelt.com**