

Acoustic Guide



Acoustic

We make fabrics which appeal to both eyes and ears. Here's our sound advice in understanding why fabrics should be seen and not heard.



Acoustic panel applications:

Top
Bristol Royal Infirmary

Right
Loughborough University

Below
Manchester University



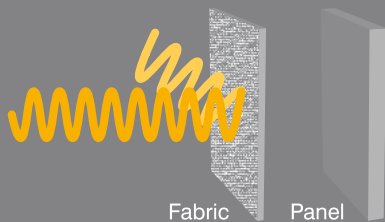
Cover: Sonus fabric

What makes a good acoustic fabric?

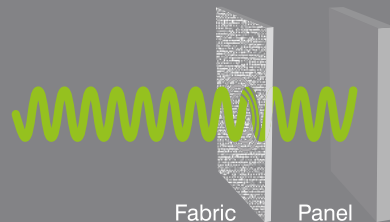
Fabrics specified for their acoustic properties are ideal for desk-mounted or free-standing screens, wall coverings or suspended ceiling panels.

The job of the fabric is to allow sound to pass through cleanly, or provide a degree of absorbency, which allows the specialist acoustic system behind to do what it needs to do. Acoustic fabrics should not reflect sound back into the room.

Bad = sound reflection



Good = acoustic transparency



0 Transparency

Absorption 1



The Noise Reduction Coefficient (NRC) is a scientific test to measure a fabric's acoustic performance, ranging from 0-1, with 0 being highly transparent and 1 highly absorbent.

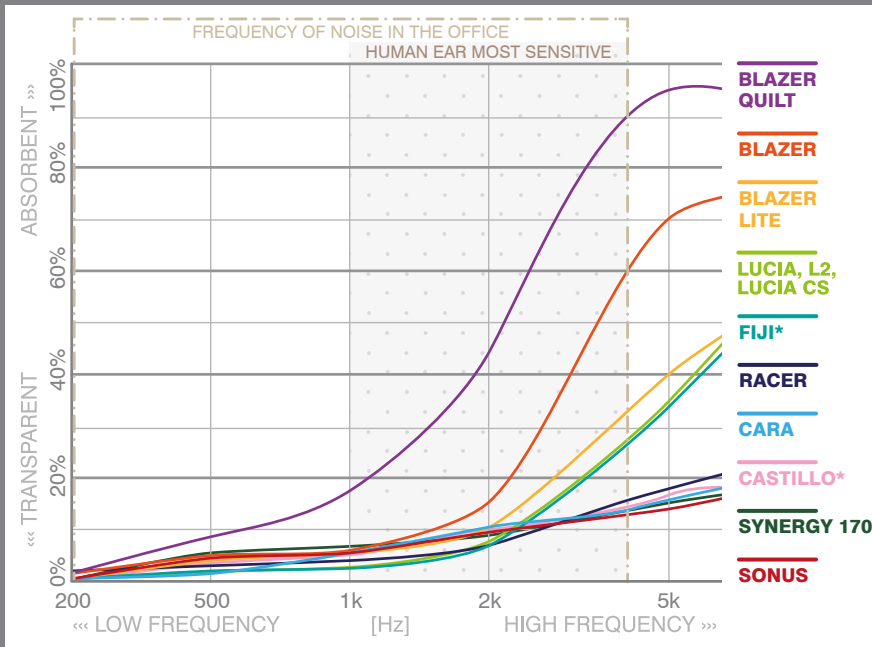
Testing is carried out according to the British Standard BS EN ISO 10534, (2001).

Sound fabrics

We have a wide range of fabrics across different compositions, colourways and price points, which can be used to stunning visual effect for a number of applications.

While they are all largely transparent and give minimal reflection, they do offer degrees of absorbency at higher frequencies.

Absorption Coefficient



	Blazer Lite: Lighter weight wool felt fabric		Lucia: Recycled polyester crepe weave fabric
	Blazer: Wool felt fabric		Lucia CS: 100% Trevira CS® flame retardant polyester crepe weave fabric
	Blazer Quilt: Quilted wool felt with additional foam and wadding		L2: 100% Recycled polyester mélange fabric
	Cara: Classic, plain weave dobby fabric		Racer: Classic stretch knit fabric
	Castillo: FR polypropylene mélange fabric *Not available in the UK		Sonus: Needle-felted polyester fabric
	Fiji: Polyester crepe weave fabric *Not available in the UK		Synergy 170: Lightly felted, lightweight wool