

Many KnollTextiles products are ideal for acoustical applications, whether you're looking for sound absorption or sound transparency properties.

The industry recognized test for acoustic fabric is the STM C423 and results are expressed in the form of a Noise Reduction Coefficient (NRC) rating. This measures the amount of sound that is absorbed into a fabric. For example, an NRC of 0.10 means that 10% of the sound is absorbed and 90% travels through the fabric.

Note that sound reflective fabrics are not considered good candidates for any acoustic use; these are fabrics with a tight construction, hard surface and heavy backing, and may distort sound. Contact your local representative for specific manufacturers' approvals.

Sound Absorption Fabrics

Sound absorption fabrics are best used for application to solid walls or where sound absorption is desired. Defining characteristics of sound absorption fabrics are excellent absorption values, surface texture, soft surface and thick construction or backing.

Bankshot	Narnia*
Bauhaus Block	Ultrasuede*
Field Day	

Sound Transparent Fabrics

Sound transparent fabrics are best used for wrapped applications on acoustic panels or where sound needs to travel through the fabric and be absorbed by a substrate. A simple test to determine transparency is whether you can blow through the fabric. Defining characteristics of sound transparent fabrics are an open weave, flat surface, lightweight and thin construction (unbacked or light backing).

Allegory*	Dristi	Melbourne	Ricochet
Amplify	Flow*	Metaphor*	Sequel*
Analogy*	Foil Rap*	Mezzo*	Solid Crepe
Backdrop*	Foundation*	Micro*	Symbolic Details
Bandwidth	Gem	Outback	Tailor Made*
Banyan	Giza	Perception	Transition
Basket Draft*	Glam	Periphery	Twilight
Boardwalk	Glaze	Presto	Versatility*
Bollywood*	Glisten	Progression*	Walkabout
Broadcloth*	Growth Spurt*	Progression Striae*	Weave Three*
Circle Line	Harmony*	Raku Cloth*	
Clarity*	Illume	Reflect*	
Clarkson	Heavy Metal*	Regency	
Criss Cross	Macro	Relay	
Double Feature*	Match Point	Resolution*	

* Fabric has been tested for acoustical properties and NRC (noise reduction coefficient); data is available upon request

In addition to being acoustic textiles, the patterns listed in this document have alternate applications. Please refer to the KnollTextiles price list for details.