

Technical Data

Commercial Acoustics Absorption Panels

The Commercial Acoustics Fabric-Wrapped Absorption Panel is a general-purpose solution for reverberation and echo issues.

The Acoustic Panel serves as an aesthetic option to decrease reverberation time (RT60) in a space.

The Fabric-Wrapped Panels provide an absorptive material covered with acoustically-transparent fabric, improving speech intelligibility and reducing noise complaints. NRC (Noise Reduction Coefficient) ranges from 0.7 to 1.05, depending on density and thickness chosen. 2" Thick Panels are suggested for low-frequency performance (below 500 Hz).

We offer hundreds of stock fabrics as well as custom art-wrapped panels. Panels may be Wall- or Ceiling-Mounted, or suspended as Ceiling Clouds.

Ideal For:

- Restaurants: Target Reverberation Time from 0.7 (Intimate) to 1.1 (Lively)
- Theaters, Auditoriums, Churches, Conference Rooms - Spaces with Large Volumes and High Ceilings
- Critical Audio Environments: Studios, Lecture Halls or Telecom Meeting Rooms

Reverberation Time is a measurement of amount of time it takes a sound to attenuate by 60 dB (RT60 Value). The geometry and finishes of a space are critical to determining how much Acoustic Treatment is needed, via the Sabins Formula.

For applications where noise and reverberation (echo) is an issue, hanging our Acoustic Panels on the walls can transform the space with effective sound absorption. In untreated rooms sound waves will continue to bounce off reflective walls, ceilings, floors and other hard surfaces until they eventually dissipate. The larger the room the longer it takes for the sound waves to lose strength and die down.

Features / Benefits

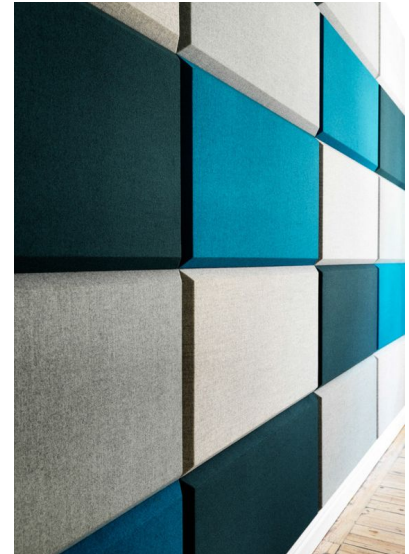
Acoustic Properties: Broad frequency absorption, with exceptional acoustic properties. Designed for improved speech intelligibility in restaurants, theaters, gymnasiums and other large-volume spaces to limit echo and reverberation.

Design Options: Hundreds of stock fabric options, including Whisper, Anchorage, and FR701 fabric lines. Samples and swatches available upon request. Numerous size and edge options.

Durability: Fiberglass core is durable. Edge is chemically hardened to provide additional edge protection and a clean, finished look. Design life of 20 years. Wood Frames available for rugged applications.

Installation Options: Fastened with Impaling Clips, Z Clips, or Rotofast Anchors

Flammability Rating: Rated for commercial, industrial, and residential applications. All Fabrics are Class A Rated. FR-treated fabric available for assembly areas.



Technical Specifications

Thickness	Covering	Density	125	250	500	1000	2000	4000	NRC*
1 inch	Fabric	6 lbs/cf	.05	.26	.77	1.04	1.04	1.03	0.80
2 inch	Fabric	6 lbs/cf	.07	.86	1.21	1.26	1.17	1.10	1.05

* NRC = noise reduction coefficient

Size Availability	2'x2', 2'x4', 2'x6', 2'x8', 4'x4', 4'x8' - Custom Sizes Available on Request
Thickness:	1" or 2"
Tolerance:	+/- ¼ inch
Core:	3 or 6 pcf Acoustical Fiberglass, Edge-Hardened. Optional Wood Framing
Covering:	Acoustically Transparent Fabric Options from Guilford of Maine
Edge Profile:	Square, Beveled
Mounting:	Ceilings, Columns, Walls - Mounted with RotoFast Anchors or Impaling Clips
Flammability	Class A - Does not exceed 25 Flame Spread, 50 Smoke Developed when tested in accordance with ASTM E84, UL 723 and NFPA 255.
Indoor Air Quality:	Certified as a low emitting product by the GREENGUARD Environmental Institute GREENGUARD Certification Program

