



DESIGN AND SPECIFICATIONS

Description

Decoustics Stria is a uniquely decorative wall panel that can incorporate graphics and logos. It consists of a medium density acoustical core and high density veil with 3/16" (5mm) deep striations manufactured into the face of the panel which is then finished with fabric. Striations can be uniform or random - vertical, horizontal or diagonal; monochromatic or multi-colored (stripe pattern), and if desired, with a design such as a city scape, corporate logo, school logo, or similar motif. Finishes are bonded to the face to prevent sag and distortion. Striations can be spaced as close as 1" (25mm) and in the vertical mode look identical to panel joints thereby producing a monolithic appearance.

Stria panels are recommended for use where panels are unlikely to be subjected to abuse or impact. Panels are supplied with factory installed devices for different types of mounting e.g. mechanical, adhesive, magnetic, and hook and loop fastening.

Panels

All Decoustics panels are custom fabricated and offered in a variety of sizes, geometric shapes, curves and thicknesses.

Design Considerations

When using speakers in ceiling or wall panels, it is recommended the speaker grille be visibly mounted at the face of the panel. Speaker function creates air movement and any fabric covering the speaker will experience premature soiling.

Maintenance

Refer to appropriate Decoustics "Cleaning and Maintenance Instructions" for any specific finish.

Standards, Tests and Approvals

Surface Burning Characteristics (ASTM E-84): All panel components have a Flame Spread rating of less than 25.

Note: Building code requirements may necessitate composite panel testing based on specified finish.

A panel comprised of "Class A" (Flame Spread of 25 or less) components does not necessarily produce a composite panel meeting the "Class A" requirement. Decoustics has a considerable number of composite panel tests on file.

Decoustics Stria Wall Panel

Performance Data

FINISH	EDGE OPTIONS	SIZES	CONSTRUCTION	THICKNESS	NRC	WEIGHT
Fabric	Resin: square only.	Fabric only: Up to 60" x 120" (1525mm x 3050mm). Finish width must be sufficient to cover panel, panel thickness, and wrap minimum 1" (25mm) on back side of the panel.	Stria panel is an inert, dimensionally stable, panel consisting of a 6 to 7 pcf (96 to 112 kg/m ³) density core with a 1/8" (3mm) thickness 16 to 20 pcf (256 to 320 kg/m ³) high density acoustically transparent integral facer, and fabric finish. Fabric corners are fully tailored (no exposed darting).	1-1/8" (28mm)	0.90	1.2 psf (5.86 kg/m ²)
				1-5/8" (41mm)	1.00	1.45 psf (7.10 kg/m ²)
				2-1/8" (54mm)	1.00	1.75 psf (8.55 kg/m ²)

Note: The information provided in this Data Sheet is accurate to the best of our knowledge at the time of printing. However, we reserve the right to make changes when necessary without further notification. Suggested applications may need to be modified to conform with local building codes and conditions. We cannot accept responsibility for products that are not used or installed, to our specifications. Please refer to our website for most current data.

Note: Only handle panels wearing clean, lightweight, white gloves during installation. Follow manufacturer's printed instructions for installation as well as field cutting of panels.

Mounting Methods

Mount panels to walls using mechanical fastening, adhesive, magnetic fastening or hook and loop fastening.

Mechanically mount only for panels located above head height (includes slide and engage z-clips, wall clips and/or track).

If necessary, shim adhesive, magnetic and hook and loop mounted panels to ensure they install flat to the substrate.

Use adhesive and mechanical fastening to secure "loop" to wall i.e. stapled with splayed-outward legs.

Consult with fastener manufacturer to determine correct fastener to use for specific substrates, particularly plaster or gypsum board.

Note: It is not always possible to secure panels or mounting hardware to a substrate support such as a steel stud.

Follow manufacturer's printed instructions for installation. Field cutting of panels is not recommended.

Acoustical Data (ASTM C423: Type F5 Mounting as per ASTM E795).

FINISH	PANEL THICKNESS	FREQUENCY (Hz)						NRC	SAA
		125	250	500	1000	2000	4000		
*Fabric	1-1/8" (28mm)	0.17	0.60	1.02	1.08	0.93	0.82	0.90	0.89
*Fabric	1-5/8" (41mm)	0.42	0.72	1.10	1.11	0.98	0.92	1.00	
*Fabric	2-1/8" (54mm)	0.54	0.87	1.03	1.14	0.94	0.91	1.00	0.98

* Acoustic testing was performed on a panel finished with an acoustically transparent fabric.



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