



DESIGN AND SPECIFICATIONS

Description

Decoustics Appliqué is an acoustical wall panel with a medium density core and an appliqué component. The appliqué has an 1/8" (3mm) thickness high density facer adhered to the core to give the panel a flush or 3D effect (e.g. organizational logo, landscape, pattern, or similar design). Appliqué may also be employed for ceiling applications.

Panels are supplied with factory installed devices for different types of mounting e.g. mechanical, adhesive, magnetic, and hook and loop fastener.

Panels

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

Design Considerations

Raised Appliqué is available with fabric and coated finishes (e.g. Claro® and Metallo®) or combinations of these finishes. Flush Appliqué is available with fabric only.

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 Wall Panel Appliqué

Performance Data

FINISH	EDGE OPTIONS	SIZES	CONSTRUCTION	THICKNESS	NRC	WEIGHT
Fabric	Resin: square Concealed Extruded Aluminum: square* (butt and defined)	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.	Panel consists of a 6 to 7 pcf (96 to 112 kg/m ³) core with a 1/8" (3mm) thickness 16 to 20 pcf (256 to 320 kg/m ³) high density appliqué facer. Panels and facers can be finished with fabric and coatings e.g. Claro & Metallo. Fabric corners are fully tailored (no exposed darting).	5/8" (16mm)	0.75	0.90 psf (4.50 kg/m ²)
				7/8" (22mm)	0.80	1.0 psf (4.90 kg/m ²)
				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)

* Butt joint is only available for 1-1/8" and 2-1/8" thick panels, and defined joint is available with 1-1/8", 1-5/8" and 2-1/8" thick panels

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, adhesive, magnetic or hook and loop fastening.

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

If necessary, shim adhesive, magnetic and hook and loop mounted panels to ensure flat 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.

Note: Minimize field cutting of panels with the exception of service penetrations such as lights, sprinklers, electrical outlets and similar items where cover trims are provided.

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	5/8" (16mm)	0.01	0.25	0.67	0.98	1.01	0.96	0.75	0.71
Fabric	1-1/8" (28mm)	0.17	0.60	1.00	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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