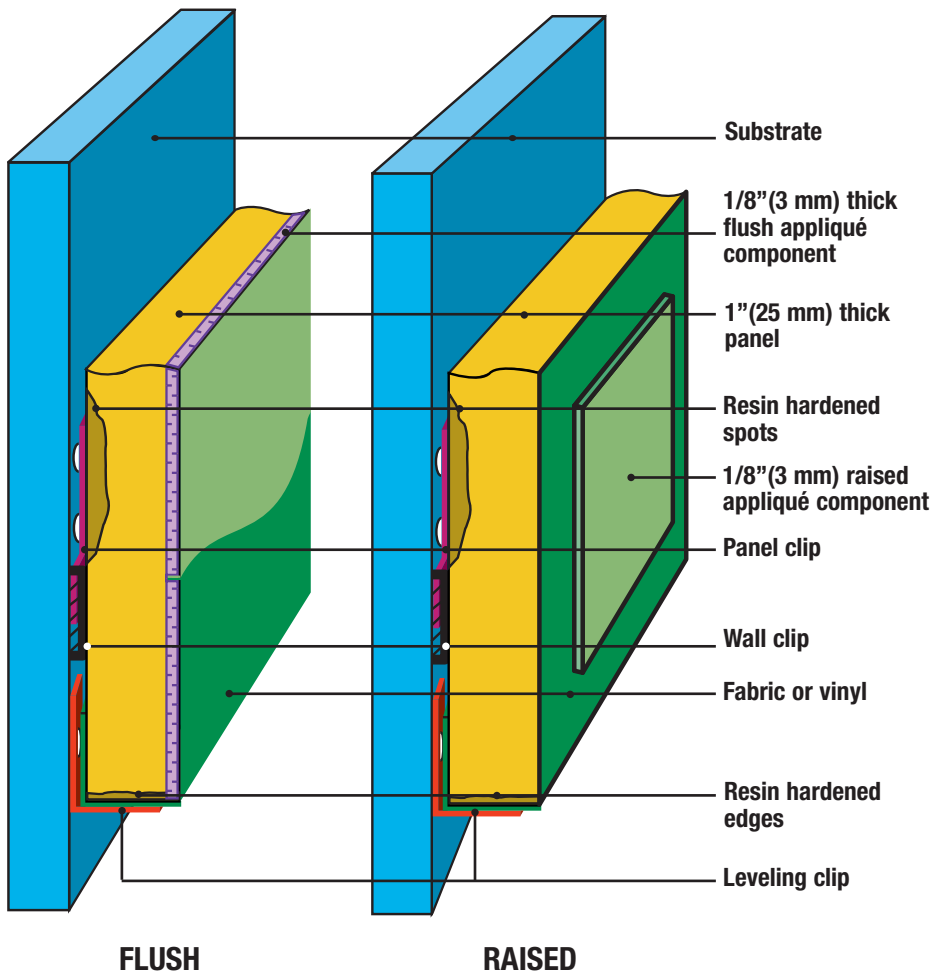


Walls

Appliqué



Description

Decoustics Appliqué is an acoustical wall panel consisting of a medium density core panel and an "appliqué" component consisting of a 1/8" (3 mm) thickness high density proprietary facer which is adhered to the core panel to give the panel or panel area (multiple panels) a flush or 3-D (raised) effect in any design e.g. organizational logo, landscape, pattern, or similar design. Appliqué may also be employed for ceiling applications.

Panels are supplied complete 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 types, sizes, geometric shapes, curves, thicknesses, and finishes.

Design Considerations

Raised appliqué is available with fabric, vinyl and coated finishes (ie. *Claro* and *Metallo*) or combinations of these finishes. Flush applique is available with fabric or vinyl finishes 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.

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.

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" (16 mm)	0.01	0.25	0.67	0.98	1.01	0.96	0.75	0.71
Fabric	1-1/8" (28 mm)	0.17	0.60	1.0	1.08	0.93	0.82	0.90	0.89
Fabric	1-5/8" (41 mm)	0.42	0.72	1.10	1.11	0.98	0.92	1.00	
Fabric	2-1/8" (54 mm)	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.

Walls

Appliqué

Maintenance

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

Related Data

Decoustics 3-Part Guide Specification.

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.

FINISH	EDGE OPTIONS	SIZES	CONSTRUCTION	THICKNESS	NRC	WEIGHT
Fabric or Vinyl	Resin: square edge.	Up to 60" x 120" (1525 mm x 3050 mm).	Panel consists of a 6 to 7 pcf (96 to 112 kg/m ³) core with a 1/8" (3 mm) thickness 16 to 20 pcf (256 to 320 kg/m ³) high density appliqué facer. Panels and facers can be finished with fabric or vinyl and coatings e.g. <i>Claro & Metallo</i> . Fabric corners are fully tailored (no exposed darting) and vinyl corners are heat sealed.	5/8" (16 mm)	0.75	0.90 psf (4.50 kg/m ²)
	Concealed Extruded Aluminum: square *(butt and defined)	Finish width must be sufficient to cover panel, panel thickness, and wrap minimum 1" (25 mm) on back side.		7/8" (22 mm)	0.80	1.0 psf (4.90 kg/m ²)
	* butt for 1-1/8" & 2-1/8" thickness only defined for 1-1/8", 1-5/8" & 2-1/8" thickness only			1-1/8" (28 mm)	0.90	1.2 psf (5.86 kg/m ²)
				1-5/8" (41 mm)	1.00	1.45 psf (7.10 kg/m ²)
				2-1/8" (54 mm)	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.