



# SELECTSOUND® BLACK ACOUSTIC BOARD

SelectSound® Black Acoustic Board is made of inorganic glass fibers with a thermosetting resin binder and formed into rigid rectangular boards that are dimensionally stable and will not shrink or warp.

SelectSound® Black Acoustic Board comes with a smooth black veil surface over a deep black board that is monitored during production with a colorimeter for consistent color. The thicker, smoother veil additionally aids in resisting damage during installation and service. When necessary, the durable black veil facing may be cleaned by vacuuming.

## Features

SelectSound® Black Acoustic Board provides excellent acoustical performance for multiplex theaters, sound studios, and performing arts centers.

## Standards, Codes Compliance

- ASTM C612, Mineral Fiber Block & Board Thermal Insulation, Types IA, IB
- UL 181 Air Erosion
- NFPA 90A and 90B Compliant
- ICC Compliant
- California Title 24
- Meets requirements of ASTM C1338 (Mold Growth)

## Physical Properties

PROPERTY	TEST METHOD	VALUE
Density	ASTM C303	3.0 pcf
Water Vapor Sorption	ASTM C1104	<5% by weight at 120°F (49°C), 95% R.H.
Compressive Strength (minimum)	ASTM C165	
at 10% deformation		25 lb/ft <sup>2</sup> (1197 Pa)
at 25% deformation		90 lb/ft <sup>2</sup> (4309 Pa)
Fungi Resistance	C1338	Meets requirements
Corrosion to Copper and Aluminum	ASTM C665	Pass — both metals
Corrosion to Steel	ASTM C1617	Pass
Thermal Conductivity at 75°F mean	ASTM C518	0.23 Btu·in/hr·ft <sup>2</sup> ·°F 0.033 W/m·°C
Air Erosion	UL 181	Rated at 3,000 fpm (5.1 m/sec)
Surface Burning Characteristics <sup>1</sup>	UL 723, ASTM E84, or CAN/ULC S102	
Flame Spread Index		25
Smoke Developed Index		50

<sup>1</sup> The surface burning characteristics of these products have been determined in accordance with UL 723, ASTM E84, or CAN/ULC-S102. Values are reported to the nearest 5 rating.

## Acoustical Performance

ASTM C423; Mounting Type A — Material placed against solid backing.

THICKNESS	OCTAVE BAND CENTER FREQUENCIES, HZ								
	IN.	MM	125	250	500	1000	2000	4000	NRC
1	25	0.12	0.35	0.76	0.97	1.00	1.00	1.00	0.75
2	50	0.11	0.64	1.12	1.14	1.06	1.08	1.00	1.00

## Availability

SelectSound® Black Acoustic Board is available in 48" x 96" size, in 1" or 2" thickness.

## Installation Instructions

Lightweight and resilient, SelectSound® Black Acoustic Board is easy to handle, fabricate, and install. Both stick pins and adhesives can be used to secure boards to drywall, concrete block, or precast concrete. See SelectSound Board and Blanket Recommended Installation Instructions; PUB No. 10024403.

## Design Considerations

Acoustical performance of interior surfaces can generally be improved by increasing acoustical material thickness. SelectSound® Black Acoustic Boards can be specified for use in conjunction with other Owens Corning acoustical materials to provide additional performance.

Owens Corning also manufactures SelectSound® Black Acoustic Blanket. This roll product is ideal for use behind fabric on theater walls, in sound studios, and in performing arts centers.

### Certifications and Sustainable Features

- Certified by SCS Global Services to contain an average 53% with minimum 22% post-consumer and balance 31% pre-consumer recycled glass content



### Environmental and Sustainability

Owens Corning is a worldwide leader in building material systems, insulation, and composite solutions, delivering a broad range of high-quality products and services. Owens Corning is committed to driving sustainability by delivering solutions, transforming markets, and enhancing lives. More information can be found at [www.owenscorning.com](http://www.owenscorning.com).

### Disclaimer of Liability

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For more information, visit [www.SCSglobalservices.com](http://www.SCSglobalservices.com).

### Notes

For additional information, refer to the Safe Use Instruction Sheet (SUIS) found in the SDS Database via <http://sds.owenscorning.com>.

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