



SELECTSOUND® FF-BLACK ACOUSTIC BOARD

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

SelectSound® FF-Black Acoustic Board comes with a smooth black veil surface over a gray/black fiberglass board to provide the consistent color and aesthetic appearance required for interior spaces. The thicker, smoother, and durable veil provides damage resistance during installation and service and may be cleaned according to the recommendations of Owens Corning.

Features

- SelectSound® FF-Black Acoustic Board provides excellent acoustical performance for multiplex theaters, sound studios, performing arts centers, restaurants, and bars.
- Our proprietary binder chemistry is designed to eliminate consumer concerns about emissions and to ensure compliance with safer levels of Volatile Organic Compounds.
- This product does not contain any Proposition 65 chemicals and is GREENGUARD Gold certified.
- The consistent and continuously black board goes unnoticed in the ceiling applications while reducing noise and improving sound quality for the occupants.
- Due to its rigidity, installation over a multitude of wall and ceiling surface types can be accomplished easily.

Standards, Codes Compliance

- ASTM C612, Types IA & IB, Mineral Fiber Block & Board Thermal Insulation
- Meets UL 181 Air Erosion requirements
- NFPA 90A and 90B Compliant
- International Code Council (ICC) Compliant
- GREENGUARD GOLD Certified
- Validated to be Formaldehyde-Free
- Meets California Title 24 Requirements
- Does not contain polybrominated diphenyl ethers (PBDE)

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) at 10% deformation at 25% deformation	ASTM C165	25 lb/ft ² (1197 Pa) 90 lb/ft ² (4309 Pa)
Fungi Resistance	C1338, G21	Meets Requirements
Corrosion to Steel	ASTM C1617	Meets Requirements
Thermal Conductivity at 75°F mean	ASTM C518	0.23 Btu·in/hr·ft ² ·°F 0.033 W/m·°C
Air Erosion	UL 181	Rated at 3,000 fpm (5.1 m/sec)
Surface Burning Characteristics ¹ Flame Spread Index Smoke Developed Index	UL 723, ASTM E84, or CAN/ULC S102	25 50

¹ 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	0.75
2	50	0.11	0.64	1.12	1.14	1.06	1.08	1.00

Storage

Proper storage and handling of the SelectSound® Black Acoustic Board are necessary to ensure continued thermal and acoustical performance. To prevent the deterioration of the insulation properties, Owens Corning recommends:

- Store the insulation in areas protected from the weather.
- Avoid storage directly on the ground; use a pallet to avoid damage by moisture.
- Maintain the product in the packaging supplied until ready to install.
- Avoid mechanical forces that could damage the packaging and/or insulation.

Availability

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

Installation Instructions

Lightweight and resilient, SelectSound® FF-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® FF-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® FF-Black Acoustic Blanket. This roll product is ideal for use behind fabric on theater walls, in sound studios, and in performing arts centers.

Cleaning

For recommended cleaning options of the SelectSound® FF-Black Acoustic Board, see the publication titled SelectSound® FF-Board and Blanket Recommended Cleaning Instructions: PUB No. 10027358.

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.

Disclaimer of Liability

Technical information contained herein is furnished without charge or obligation and is given and accepted at recipient's sole risk. Because conditions of use may vary and are beyond our control, Owens Corning makes no representation about, and is not responsible or liable for, the accuracy or reliability of data associated with particular uses of any product described herein. SCS Global Services provides independent verification of recycled content in building materials and verifies recycled content claims made by manufacturers.

For more information, visit 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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