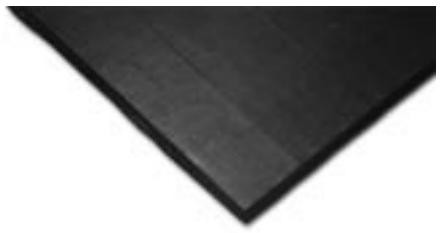
Submittal Sheet

SelectSound™ Black Acoustic Board



Superior Acoustical Performance

SelectSound Black acoustic board provides excellent acoustical performance for multiplex theaters, sound studios and performing arts centers. Depending on specified thickness, *SelectSound* Black acoustic board absorbs up to 100% of the sound striking its surface.

SelectSound Black acoustic board helps provide the highest quality audio reproduction by reducing sound reverberation within spaces. Sound transfer from space to space is also noticeably reduced.

Durable Material Composition

SelectSound Black acoustic board is dimensionally stable and will not shrink or warp. The board's resilient composition resists job-site damage. When necessary, the durable black mat facing may be cleaned by vacuuming. *SelectSound* Black acoustic board, composed of inorganic glass fibers, will not rot or mildew and is noncorrosive to steel, copper and aluminum.

Fast, High Quality Installation

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.

Size Availability

SelectSound Black acoustic board is available in 48" x 96" size. *SelectSound* Black acoustic board can also be supplied precut in sizes up to 48" x 96" to fit specific dimensional requirements. Precut boards improve labor productivity by speeding installation.

Physical Property Data

Property	Test Method	Value
Compressive strength (minimum) at 10% deformation at 25% deformation	ASTM C 165	 25 lb/ft^2 (1197 Pa) 90 lb/ft^2 (4309 Pa)
Water vapor sorption	ASTM C 1104	<3% by weight at 120°F (49°C), 95% R.H.
Fungi resistance	ASTM C 1338	Meets requirement
Nominal density	ASTM C 303	3.0 pcf (48 kg/m^3)
Corrosiveness	ASTM C 665 Corrosiveness Test	Will not cause corrosion greater than that caused by sterile cotton on aluminum or steel*
Surface burning characteristics	ASTM E 84 CAN/ULC-S102**	Flame spread 25** Smoke developed 50

* When wet, coated surfaces in contact with galvanized steel may cause discoloration of the sheet metal.

** The surface burning characteristics of these products have been determined in accordance with UL 723 and CAN/ULC-S102-M. These standards should be used to measure and describe the properties of materials, products or assemblies in response to heat and flame under controlled laboratory conditions and should not be used to describe or appraise the fire hazard or fire risk of materials, products or assemblies under actual fire conditions. However, results of this test may be used as elements of a fire risk assessment which takes into account all of the factors which are pertinent to an assessment of the fire hazard of a particular end use. Values are reported to the nearest 5 rating.

Black Core with Dark Black Finish Surface

SelectSound Black acoustic board has an all-black core wih a deep black mat finish with very low light reflectivity. The black surface is ideal for eliminating screen light reflections and preventing insulation from showing through most surface treatments.

Design Considerations

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

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

Applicable Standards

The noise reduction coefficients of *SelectSound* Black acoustic board were derived from tests conducted in accordance with ASTM C 423 on a Type A mounting.

Installation Procedure

SelectSound Black acoustic board can be installed on drywall, concrete block or precast concrete using impaling pins or appropriate adhesives.

When installing insulation with adhesive, follow adhesive manufacturer's recommendations for surface preparation and pattern.

When using impaling pins, follow the pin manufacturer's recommendations for surface preparation, location and amount of pins. Pin length should be selected to ensure tight fit. Where subject to physical contact, protect pin tips.

Keep product dry during shipping, storage and installation.

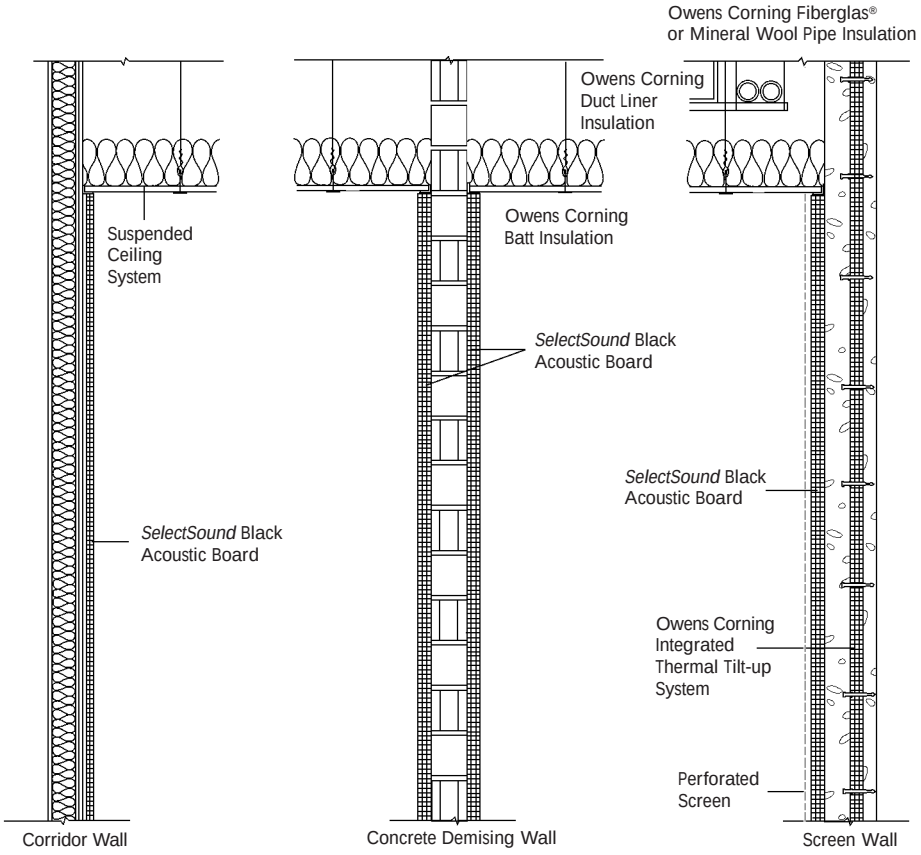
SelectSound™ Black Acoustic Board

Acoustical Performance

Product Type & Thickness	Density pcf	Density (kg/m³)	Mounting	Octave Band Center Frequencies, Hz 125	250	500	1000	2000	4000	NRC	Thermal Resistance* R-Value (hr•ft²•°F)/Btu
1" Mat faced	3.0	(48)	A	.06	.25	.62	.91	.99	.98	.70	4.3
2" Mat faced	3.0	(48)	A	.18	.71	1.12	1.12	1.03	1.02	1.00	8.6

Derived from test conducted in accordance with ASTM C 423, Type A mounting (material placed against a solid backing such as a block wall).

Conceptual Details



For CSI type sample specification, please contact your local Owens Corning representative.

Owens Corning reserves the right to change this product as needed.

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