



AcoustaBlanket™ Black is a black fiberglass blanket insulation with an abuse-resistant black surface used in commercial construction for acoustical control in theaters, studios and entertainment facilities. It has a black Class A surface for exposed applications.

FEATURES & BENEFITS

AcoustaBlanket™ has a tough, durable, fire-resistant black nonwoven glass fabric top surface. This adds strength to the product during installation and use. The glass fibers resist bacteria and fungal growth, and will not rot or deteriorate.

COMPOSITION & MATERIALS

Composed of glass fibers firmly bonded together with a thermoset resin and overlaid with an extremely tough and durable abuse-resistant black composite facing with no printing on the top surface. The insulation is packaged in plastic bags to deliver a high volume of insulation.

APPLICATION

Insulation should be kept dry at all times.

PACKAGE LABELING

Individual rolls are wrapped in plastic film and labeled with product code and product information.

INSTALLATION

AcoustaBlanket™ Black insulation is applied to spandrel, pre-cast concrete panels with approved adhesives or mechanical fasteners. These installation recommendations are general in nature. Other methods may be acceptable. Please consult your contractor for recommendations best suited to the application.

TECHNICAL DATA

APPLICABLE STANDARDS, CODE COMPLIANCE

Model Building Codes:
- ICC

FIRE RESISTANCE

Fire Hazard Classification:
- UL 723, ASTM E84, NFPA 255
Max. Flame Spread Index: 25
Max. Smoke Developed Index: 50

Limited Combustible:

- NFPA 259
< 3,500 btu/lb

Fire Safety Standards:

- NFPA 90A, NFPA 90B

Acoustical Performance: See table on other side

Thermal Performance: See table on other side

PHYSICAL / CHEMICAL PROPERTIES

| PROPERTY (UNIT) | TEST | VALUE |
|--|-------------------------|---------------------------------------|
| Operating Limits: Temperature Air Velocity | ASTM C411 ASTM C1071 | 250°F / 121°C 6,000 fpm (30.5 m/s) |
| Water Vapor Sorption: | ASTM C1104 | ≤ 3% |
| Odor Emission: | ASTM C1304 | Pass |
| Corrosion Resistance: | ASTM C665 | Pass |
| Fungi Resistance: | ASTM C1338 ASTM G21 | No growth |

AVAILABLE SIZES

Available standard sizes and Thermal Performance are listed in the table. Contact CertainTeed for availability and minimum order quantities.

| TYPE | DENSITY | THICKNESS | | WIDTH | | LENGTH | | R-VALUES | |
|------|------------------------------------|-----------|----|-------|------|--------|------|----------|------|
| | | IN | MM | IN | MM | FT | M | R | RSI |
| 150 | 1.5 pcf (24 kg/m ³) | 1 | 25 | 48 | 1219 | 100 | 30.5 | 4.2 | 0.74 |
| | | 1½ | 38 | 48 | 1219 | 50 | 15.2 | 6.3 | 1.11 |
| | | 2 | 51 | 48 | 1219 | 50 | 15.2 | 8.3 | 1.46 |

ACOUSTICAL PERFORMANCE

| TYPE | PRODUCT THICKNESS | | ABSORPTION COEFFICIENTS @ OCTAVE BAND CENTER FREQUENCIES (HZ) | | | | | | NRC |
|------|-------------------|----|---|------|------|------|------|------|------|
| | IN | MM | 125 | 250 | 500 | 1000 | 2000 | 4000 | |
| | | | | | | | | | |
| 150 | 1 | 25 | 0.18 | 0.36 | 0.59 | 0.86 | 0.95 | 0.90 | 0.70 |
| | 1½ | 38 | 0.35 | 0.51 | 0.83 | 0.93 | 0.97 | 0.96 | 0.80 |
| | 2 | 51 | 0.24 | 0.79 | 1.09 | 1.05 | 1.02 | 1.01 | 1.00 |

Sound absorption tested in accordance with ASTM C423 using Type A mounting per ASTM E795.

WARRANTY

Refer to CertainTeed's Limited Warranty (30-32-113).

MAINTENANCE

No maintenance required.

AVAILABILITY AND COST

Sold throughout the United States, Canada, and Mexico. For availability and cost contact your local distributor or call CertainTeed Sales Support Group at 800-233-8990.

TECHNICAL SERVICES

Technical assistance can be obtained either from your local CertainTeed sales representative, or by calling CertainTeed Sales Support Group at 800-233-8990.



CertainTeed

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