

CertainTeed

Specification Sheet

CERTA^{PRO}[™] Textile AcoustaBlanket[™] Black

1. PRODUCT NAME

CertainTeed CertaPro[™] Textile AcoustaBlanket[™] Black

2. MANUFACTURER

CertainTeed Corporation
P.O. Box 860
Valley Forge, PA 19482-0105
Phone: 610-341-7000
800-233-8990
Fax: 610-341-7571
Website:
www.certainteed.com/insulation

3. PRODUCT DESCRIPTION

Basic Use: CertaPro Textile AcoustaBlanket[™] Insulation is a black fiber glass blanket 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.

Benefits: CertaPro Textile AcoustaBlanket has a tough, durable fire resistant black composite top surface. This adds strength to the product during installation and use. The product is lightweight and easy to fabricate on the job site. The glass fibers resist bacteria and fungal growth, and will not rot or deteriorate. The insulation is compression packaged in plastic bags to deliver a high volume of insulation.

Composition and Materials: Composed primarily of long, textile-type glass fibers (with an average of 75% recycled content) firmly bonded together with a thermo-setting resin overlaid with an extremely tough and durable fire-resistant, black composite surface on the air stream side. The airstream surface contains an EPA registered antimicrobial agent in order to reduce the potential of microbial growth that may affect this product. The antimicrobial properties are intended to only protect this product.

Limitations: Insulation should be kept clean and dry at all times.

Sizes: See the table at right for available sizes. Contact CertainTeed for other sizes and minimum order quantities.

4. TECHNICAL DATA

Applicable Standards:

- Model Building Codes
 - (ICC)
- Material Standards
 - (ASTM C553) Type I & II
 - California Quality Standards Reg. No. CA-T024 (PA)
 - City of Los Angeles, RR 8148

Fire Resistance:

- Fire Hazard Classification:
 - (ASTM E84, UL 723, NFPA 255)
Max. Flame Spread Index: 25
Max Smoke Developed Index: 50
- Limited Combustible:
 - (NFPA 259)
< 3,500 Btu/lb

Physical/Chemical Properties:

- Acoustical Performance:
 - (ASTM C423)
See table on other side
- Thermal Performance:
 - (ASTM C177 or ASTM C518)
See table below
- Maximum Use Temperature:
 - (ASTM C411)
Max. 250°F (121°C)
- Water Vapor Sorption:
 - (ASTM C1104)
< 3% by weight



- Corrosiveness:
 - (ASTM C665) Pass
- Fungi Resistance:
 - (ASTM C1338) Pass
- Odor Emission:
 - (ASTM C1304) Pass

Quality Assurance: Many of CertainTeed's insulation manufacturing plants are registered to ISO 9001-2000 standards.

5. INSTALLATION

CertaPro Textile 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.

STANDARD SIZES							
Product Type		Nominal Thickness		Length		Width	
Textile AcoustaBlanket	ATSM ¹	in.	mm	ft.	m	in.	mm
150 Density: 1.6 pcf (24 kg/m ³)	I	1	25	50 & 100	15.2 & 30.5	24 to 72 in 1/4" increments*	610 to 1829 in 6 mm increments
		1 1/2	38	100	30.5		
		2	51	50	15.2		
200 Density: 2.0 pcf (32 kg/m ³)		1/2	13	100	30.5		
1		25	50 & 100	15.2 & 30.5			
300 Density: 3.0 pcf (48 kg/m ³)		1/2	13	100	30.5		
1		25	50 & 100	15.2 & 30.5			

1) Classification per ASTM C107: Type I is roll form; Type II is sheet form

*Not all widths between 24" and 72" are standard. Please contact CertainTeed for the standard sizes.

*Made-To-Order sizes are available and subject to an upcharge, additional lead time and minimum quantities.

6. AVAILABILITY AND COST

Distributed and sold throughout the United States. For availability and cost contact your local contractor, distributor, or call CertainTeed Sales Support Group in Valley Forge, PA at (800) 233-8990.

7. WARRANTY

Refer to CertainTeed’s Limited Warranty for Commercial Insulation

on manufacturing defects (30-25-034). Inasmuch as CertainTeed has no control over the installation design, installation workmanship, accessory materials, or conditions of application, CertainTeed does not warrant the performance or results of any installation containing its products.

8. MAINTENANCE

No maintenance required.

9. TECHNICAL SERVICES

Technical assistance can be obtained either from the local CertainTeed sales representative, or by calling CertainTeed Sales Support Group in Valley Forge, PA at (800) 233-8990.

10. FILING SYSTEMS

- Sweet’s Catalog File 07210/ CET
- CertainTeed Pub. No. 30-25-031
- Additional product information is available upon request.

ACOUSTICAL PERFORMANCE									
Product		Sound Absorption Coefficients @ Octave Frequencies (Hz)							NRC
Type	Nominal Thickness		125	250	500	1000	2000	4000	
	in.	mm							
150	1	25	0.14	0.29	0.55	0.77	0.94	0.94	0.65
	1½	38	0.16	0.47	0.77	0.96	1.04	1.00	0.80
	2	51	0.23	0.62	1.01	1.04	1.00	1.01	0.90
200	½	13	0.06	0.15	0.33	0.56	0.76	0.91	0.45
	1	25	0.10	0.33	0.65	0.86	0.94	0.96	0.70
	1½	38	0.16	0.47	0.77	0.96	1.04	1.00	0.80
	2	51	0.24	0.57	0.90	0.95	0.95	0.96	0.85
300	½	13	0.06	0.15	0.33	0.56	0.76	0.91	0.45
	1	25	0.10	0.33	0.65	0.86	0.94	0.96	0.70
	1½	38	0.20	0.46	0.82	0.94	0.95	0.91	0.80
	2	51	0.27	0.72	1.04	1.02	0.96	0.92	0.95

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



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