

CertaPro™ AcoustaBoard™ Black



1. PRODUCT NAME

CertainTeed CertaPro™
AcoustaBoard™ 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: CertainTeed CertaPro AcoustaBoard Black is used for sound control in theaters, studios and entertainment facilities. The rigid board has a Class A surface that can be used in exposed applications.

Benefits: This product provides excellent sound absorption, which controls room reverberation and echoes plus reduces noise levels. The black surface absorbs light and is ideal for use when an interior needs to be dark.

Composition and Materials: Composed of glass fibers bonded together with a thermoset resin. A durable, black non-woven mat surface is adhered to the glass fiber base board.

Limitations: Insulation should be kept dry at all times.

Sizes: Available as shown in the table at the right. Contact CertainTeed for other sizes and minimum order quantities.

4. TECHNICAL DATA

Applicable Standards:

- Model Building Codes:
 - ICC
- Material Standards:
 - ASTM C612
 - Type 225, Type 1A
 - Type 300, Type 1A & 1B
 - California Quality Standards
 - Reg. No. CA-T024 (PA)
 - City of Los Angeles, RR 8148

Fire Resistance:

- Surface Burning Characteristics:
 - ASTM E84, UL 723, NFPA 255
 - Max. Flame Spread Index: 25
 - Max. Smoke Dev. Index: 50
- Limited Combustible:
 - NFPA 259
 - ≤ 3,500 Btu/lb.

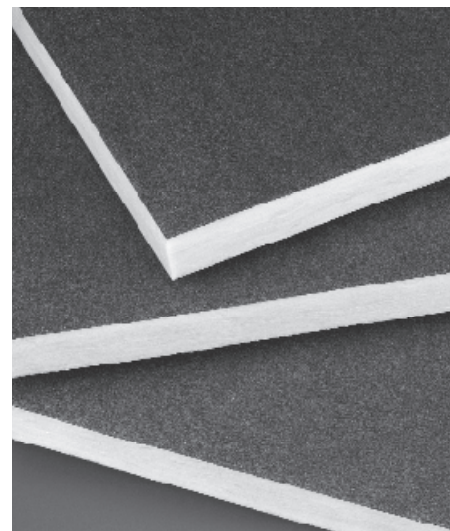
Physical/Chemical Properties:

- Acoustical Performance:
 - ASTM C423
 - See table on other side
- Thermal Performance:
 - ASTM C177 or ASTM C518
- Maximum Use Temperature:
 - ASTM C411
 - Max. 250°F (121°C)
- Water Vapor Sorption:
 - ASTM C1104
 - ≤ 2% by Weight
- Corrosiveness:
 - ASTM C665
 - Pass
- Fungi Resistance:
 - ASTM C1338
 - Pass
- Odor Emission:
 - ASTM C1304
 - Pass

Quality Assurance: CertainTeed's commitment to quality and environmental management has ensured the registration of the Athens, Chowchilla and Kansas City plants to ISO 9001:2000 and ISO 14001:2004 standards.

5. INSTALLATION

CertaPro AcoustaBoard Black can be installed rapidly and is easily cut to fit around obstructions and structural members. The product is applied to spandrels, pre-cast concrete panels and gypsum board surfaces with adhesives or mechanical fasteners. Boards may also be installed using hat channels or Z studs. These installation recommendations are general in nature. Other methods are acceptable. Please consult your contractor for recommendations best suited to specific applications.



6. AVAILABILITY AND COST

Manufactured and sold throughout the United States. For availability and cost contact your local 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 (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.

AVAILABLE SIZES								
Type	Thickness		Dimensions		Densities		R-Values	
	in.	mm	in.	mm	lb/ft ³	kg/m ³	R	RSI
225	1	25	24 x 48 and 48 x 96	610 x 1219 and 1219 x 2438	2.25	36	4.3	0.76
	1½	38			2.25	36	6.5	1.14
	2	51			2.25	36	8.7	1.53
300	1	25			3.0	48	4.3	0.76
	1½	38			3.0	48	6.5	1.14
	2	51			3.0	48	8.7	1.53

10. FILING SYSTEMS

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

ACOUSTICAL PERFORMANCE									
Product			Absorption Coefficients @ Octave Band Frequencies (Hz)						NRC
Type	Thickness		125	250	500	1000	2000	4000	
	in.	mm							
225	1	25	0.06	0.30	0.58	0.85	0.91	0.94	0.65
	1½	38	0.12	0.48	0.83	0.90	0.90	0.89	0.80
	2	51	0.20	0.72	1.08	1.04	1.01	0.98	0.95
300	1	25	0.05	0.26	0.69	0.89	0.92	0.96	0.70
	1½	38	0.10	0.51	0.89	0.95	0.92	0.93	0.80
	2	51	0.17	0.76	1.05	1.02	0.95	0.96	0.95

Sound absorption — Tested in accordance with ASTM C423 Using Type A mounting per ASTM E795.



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