



Sustainable Insulation® CertaPRO® Commercial Board

Sustainable Insulation CertaPro Commercial Board is used to enhance thermal and acoustical performance where board stiffness properties are required. CertaPro Board is used in exterior curtain walls, interior walls and floor/ceiling assemblies, as an exterior insulation on HVAC ducts and plenums or in constructions where framing is not present, and as an exterior insulation when covered with a weather barrier. It is also used as thermal insulation on tanks and vessels.

Features & Benefits

CertaPro Board provides high sound absorption and excellent thermal performance. The product is offered in a variety of stiffness properties from flexible to rigid and all can be easily cut, handled, fabricated and installed. The product resists mold and mildew and will not rot or deteriorate.

Composition & Materials

The product is composed of tan, uniformly textured, inorganic fibrous glass and formed with a formaldehyde-free binding agent.

Limitations

Insulation should be kept clean and dry at all times.

Sizes

Contact CertainTeed for sizes and minimum order quantities.

Installation

Curtain Walls: CertaPro Board is applied to spandrel and pre-cast concrete panels with approved adhesives or mechanical fasteners. Boards may also be installed using hat channels or Z studs.

HVAC/Mechanical: All fabrication, application and installation steps should be in accordance with the requirements of the National Commercial and Industrial Installation Standards (current edition) published by the Midwest Insulation Contractors Association (MICA).

These installation recommendations are general in nature. Other methods are acceptable. Please consult your contractor for recommendations best suited to the application.

APPLICABLE STANDARDS, CODE COMPLIANCE

Model Building Codes:

- ICC
- California Quality Standards

Material Standards:

- ASTM C553, CB 150, Type I, II & III
- ASTM C612, CB110, CB 150, CB 180, CB 225 & CB 250, Type IA; CB 300, CB 450 & CB 600, Type IB
- CAN/CGSB-51.10-92, CB 150 & CB 225, Type II, Class II; CB 300 & CB 600, Type I, Class II

GREENGUARD Gold

FIRE RESISTANCE

Fire Hazard Classification:

- ASTM E84, UL 723
- CAN/ULC-S102-09
Max. Flame Spread Index: 25
Max. Smoke Developed Index: 50

Limited Combustible:

- NFPA 259 / < 3,500 Btu/lb
- NFPA 90A & 90B

PHYSICAL/CHEMICAL PROPERTIES

PROPERTY (UNIT)	TEST	VALUE
Operating Limits: Faced Unfaced	ASTM C411	250°F / 121°C 450°F / 232°C
Water Vapor Sorption:	ASTM C1104	≤ 5%
Corrosiveness:	ASTM C665	Pass
Fungi Resistance:	ASTM C1338	Pass, No growth
Odor Emission:	ASTM C1304	Pass
Flexible Rigidity:	ASTM C1101	Types 150, 175, 200, 225, semi-rigid Types 300, 400, 450, 600, rigid



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AVAILABLE SIZES					THERMAL PERFORMANCE				ACOUSTICAL PERFORMANCE						
TYPE	THICKNESS		DENSITY		THERMAL RESISTANCE		THERMAL CONDUCTIVITY		ABSORPTION COEFFICIENTS @ OCTAVE BAND FREQUENCY (HZ)						NRC
	in.	mm	Lb/ft ³	Kg/m ³	R	RSI	$\frac{\text{Btu}\cdot\text{in}}{(\text{h}\cdot\text{ft}^2\cdot\text{°F})}$	$\frac{\text{W}}{(\text{m}^2\cdot\text{°C})}$	125	250	500	1000	2000	4000	
CB 110	1-1/2	38	1.1	17.6	6.0	1.06	0.25	0.036	0.25	0.51	0.85	0.97	1.00	1.03	0.85
	3-1/2	89	1.1	17.6	14.0	2.47	0.25	0.036	0.55	1.15	1.29	1.18	1.14	1.18	1.20
	6	152	1.1	17.6	25.0	4.23	0.25	0.036	1.09	1.45	1.26	1.13	1.11	1.10	1.25
CB 150	1-1/2	38	1.50	24	6.0	1.06	0.25	0.036	0.19	0.51	0.82	0.86	0.95	0.97	0.80
	2	51	1.50	24	8.0	1.41	0.25	0.036	0.23	0.61	0.94	0.97	0.98	0.96	0.90
	2-1/2	64	1.50	24	10	1.76	0.25	0.036	0.41	0.78	0.96	0.94	0.93	0.97	0.90
	3	76	1.50	24	12	2.11	0.25	0.036	0.41	0.94	1.07	1.01	1.00	0.97	1.00
	3-1/2	89	1.50	24	14	2.47	0.25	0.036	0.60	1.08	1.09	1.02	1.04	1.06	1.05
	4	102	1.50	24	16	2.82	0.25	0.036	0.64	1.05	1.07	0.97	0.96	1.01	1.00
CB 180	2	51	1.80	28.8	8.3	1.46	0.24	0.035	0.31	0.92	1.18	1.15	0.93	0.93	1.05
	3	76	1.80	28.8	12.5	2.17	0.24	0.035	0.57	1.32	1.16	1.09	0.95	1.01	1.15
CB 225	1	25	2.25	36	4.2	0.71	0.24	0.035	0.06	0.30	0.68	0.85	0.91	0.94	0.70
	1-1/2	38	2.25	36	6.3	1.09	0.24	0.035	0.12	0.48	0.83	0.90	0.90	0.89	0.80
	2	51	2.25	36	8.3	1.46	0.24	0.035	0.22	0.63	1.04	1.00	1.00	0.97	0.90
	2-1/2	64	2.25	36	10.4	1.83	0.24	0.035	0.31*	0.81*	1.08*	1.02*	1.04*	1.03*	1.00*
	3	76	2.25	36	12.5	2.17	0.24	0.035	0.34	0.95	1.08	0.99	0.98	0.99	1.00
	3-1/2	89	2.25	36	14.6	2.54	0.24	0.035	0.54	1.11	1.12	1.01	1.02	1.00	1.05
	4	102	2.25	36	16.7	2.91	0.24	0.035	0.70	1.15	1.12	0.99	1.01	1.08	1.05
CB 250	1	25	2.50	40	4.2	0.71	0.24	0.035	0.05	0.25	0.66	0.98	1.04	1.07	0.75
	2	51	2.50	40	8.3	1.46	0.24	0.035	0.21	0.79	1.21	1.14	1.09	1.07	1.05
CB 300	1	25	3.00	48.1	4.3	0.76	0.23	0.033	0.08	0.25	0.72	0.88	0.93	0.94	0.70
	1-1/2	38	3.00	48.1	6.5	1.15	0.23	0.033	0.10	0.51	0.89	0.95	0.92	0.93	0.80
	2	51	3.00	48.1	8.7	1.55	0.23	0.033	0.21	0.73	1.08	1.04	1.04	0.96	0.95
	2-1/2	64	3.00	48.1	10.9	1.94	0.23	0.033	0.31	0.81	1.08	1.02	1.04	1.03	1.00
	3	76	3.00	48.1	13.0	2.30	0.23	0.033	0.41	0.96	1.13	1.03	1.03	1.02	1.05
	3-1/2	89	3.00	48.1	15.2	2.70	0.23	0.033	0.72	1.14	1.11	1.00	1.02	1.00	1.05
CB 450	1	25	4.50	72.1	4.5	0.78	0.22	0.032	0.09	0.33	0.79	1.06	1.07	1.06	0.80
	2	51	4.50	72.1	9.1	1.59	0.22	0.032	0.32	0.95	1.19	1.11	1.04	1.02	1.05
CB 600	1	25	6.00	96	4.5	0.78	0.22	0.032	0.05	0.27	0.78	0.97	0.97	0.91	0.75
	1-1/2	38	6.00	96	6.8	1.19	0.22	0.032	0.17	0.50	0.98	1.03	0.99	0.98	0.90
	2	51	6.00	96	9.1	1.59	0.22	0.032	0.31	0.89	1.07	0.99	1.02	0.98	1.00

All/Service/Jacket (ASJ facing) is not available in Type CB 150. CB 110, 150 and 600 are not available in FSK, WMP or ASJ facings.

*Estimated sound absorption coefficients and NRC. Sound absorption tested in accordance with ASTM C423 using Type A mounting per ASTM E795.

TECHNICAL SERVICES

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

MAINTENANCE

An inspection and preventative maintenance program for the insulation and vapor retarder system is recommended to ensure optimum performance.

AVAILABILITY & COST

For availability and cost, contact your local contractor or distributor, or call CertainTeed Sales Support Group at 800-233-8990.

WARRANTY

Refer to CertainTeed Limited Warranty for Commercial Insulation. In as much 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. Full warranty information can be found at certainteed.com/warranty.



CertainTeed

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