CertainTeed

Commercial Insulation

Product Selection Guide

CertainTeed
SAINT-GOBAIN

Energy efficiency and acoustical performance are just the beginning

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You can Be Certain™ we're your trusted choice for solutions for all kinds of insulation challenges.

That's confidence worth building on.

CertainTeed…Leading the way since 1904

CertainTeed has helped shape the building materials industry for more than 100 years. And we continue to lead, with a comprehensive product line that includes a variety of time-tested commercial insulation options — as well as innovative new products that take performance and sustainability to the next level.

CertainTeed insulation products, by their very nature, improve building energy efficiency and lower energy consumption for the life of the structure. Your customers are looking for ways to save money without sacrificing comfort. CertainTeed Insulation can help them do just that, and partnering with us to bring them these benefits is a great way to build your business.

We understand the challenges you face and back you with an ever-increasing array of technical support and marketing programs to help you succeed. This catalog provides an overview of our product offering; to learn more about the many services we provide to our partners, talk to your CertainTeed representative or give us a call. We're always glad to hear from you.

The Professional's Choice

Building professionals choose CertainTeed insulation because it improves energy efficiency and delivers superior acoustical performance. But high quality products are just the beginning. We partner with you to understand your business, and help you meet the challenges of today's ever-changing business environment with a variety of tools and programs.

Our goal: to deliver the most comprehensive insulation program in the industry. Here are just a few of the elements that set us apart.

- **Focus on the environment.** With the current emphasis on reducing environmental impacts, you need products that hit the mark on both performance and sustainability. We've incorporated Sustainable Insulation® fiber glass into our commercial products. Made with a renewable, plant-based binder and no added formaldehyde, harsh acrylics, dyes or unnecessary fire-retardant chemicals, Sustainable Insulation products have achieved GREENGUARD® Children & Schools℠ Certified certification for superior indoor air quality and contribute points under LEED® and other green building standards.
- **Technical support.** CertainTeed understands the integral role insulation plays in the performance of a building system. Experts from our Building Science department have the technical knowledge to solve critical building envelope issues — a unique resource available to all of our professional partners and their customers.
- **Superior customer service.** Our Order Management personnel can access all your information (order history, orders in progress) instantly. In fact, there's a good chance you'll talk with someone who's helped you before, which means a better understanding of your business and better service, including on-time delivery of what you need when you need it.

Product details…

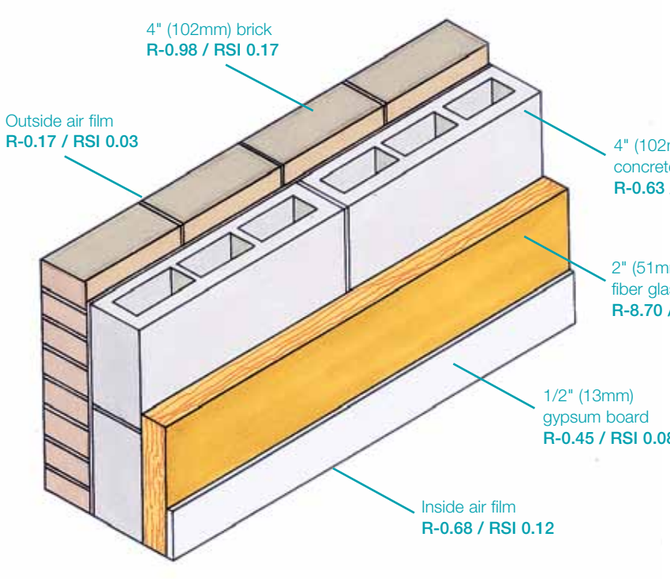
For building code compliance information and other technical data for the products in this catalog, check the specification sheets available on our website: certainteed.com/insulation.

Thermal Performance

Heat flow is defined as the transfer of energy from one area to another due to a temperature difference between the two areas. Heat always flows from the area with the higher temperature to the area with the lower temperature, unless the warmer air is blocked by materials or combinations of materials that resist the flow. CertainTeed insulation products provide outstanding thermal resistance in any type of commercial wall – in fact, they are the crucial component in the assembly, as the following example illustrates.

The R-Values of each component in a wall assembly can be added together to determine the thermal resistance of the entire assembly. The illustration below shows a wall made of an outside air barrier, brick, concrete block, fiber glass insulation, gypsum board and an inside air barrier. Note that the overall resistance of the wall assembly is R-11.61 – and that 8.70, or about 75%, of its thermal resistance is accounted for by the 2 inches of fiber glass insulation.

CertainTeed CertaPro® fiber glass insulation delivers exceptional energy resistance and thermal performance that result in greater comfort for building occupants and lower energy bills for building owners. CertaPro insulation is available in a wide range of thicknesses, with different facings to meet specific code requirements. It is designed, packaged and delivered with the needs of today's commercial contractor in mind.



Thermal Performance Data

CERTAPRO COMMERCIAL THERMAL / ACOUSTICAL INSULATION	THICKNESS		THERMAL RESISTANCE		THERMAL CONDUCTIVITY	
	in.	mm	R	RSI	k	l
AcoustaTherm Batts	**2 ½**	64	**8.0**	1.4	**0.31**	0.045
	3 ½	89	**11.0**	1.9	**0.32**	0.046
	6 ¼	159	**19.0**	3.3	**0.33**	0.047
	10	254	**30.0**	5.3	**0.33**	0.048
Partition Batts	**1 ½**	38	**5.8**	1.0	**0.26**	0.037
Thermal Kraft Faced Batts	**3 ½**	89	**11.0**	1.9	**0.32**	0.046
	6 ¼	159	**19.0**	3.3	**0.33**	0.047
Thermal Foil Faced Batts	**3 ½**	89	**11.0**	1.9	**0.32**	0.046
	3 ½	89	**13.0**	2.3	**0.27**	0.039
	6 ¼	159	**19.0**	3.3	**0.33**	0.047
	10	254	**30.0**	5.3	**0.33**	0.048
Thermal FSK-25 Faced Batts	**3 ½**	89	**11.0**	1.9	**0.32**	0.046
	3 ½	89	**13.0**	2.3	**0.27**	0.039
	6 ¼	159	**19.0**	3.3	**0.33**	0.047
	10	254	**30.0**	5.3	**0.33**	0.048
Thermal Extended Flange Batts	**6 ¼**	159	**19.0**	3.3	**0.33**	0.047
	10	254	**30.0**	5.3	**0.33**	0.048
CertaPro Board—Type CB 150	**1 ½**	38	**6.0**	1.1	**0.25**	0.036
	2	51	**8.0**	1.4	**0.25**	0.036
	2 ½	64	**10.0**	1.8	**0.25**	0.036
	3	76	**12.0**	2.1	**0.25**	0.036
	3 ½	89	**14.0**	2.5	**0.25**	0.036
	4	102	**16.0**	2.8	**0.25**	0.036
CertaPro Board—Type CB 225	**1**	25	**4.3**	0.8	**0.24**	0.035
	1 ½	38	**6.5**	1.1	**0.24**	0.035
	2	51	**8.7**	1.5	**0.24**	0.035
	2 ½	64	**10.9**	1.9	**0.24**	0.035
	3	76	**13.0**	2.3	**0.24**	0.035
	3 ½	89	**15.2**	2.7	**0.24**	0.035
	4	102	**17.4**	3.1	**0.24**	0.035
CertaPro Board—Type CB 300	**1**	25	**4.3**	0.8	**0.23**	0.033
	1 ½	38	**6.5**	1.1	**0.23**	0.033
	2	51	**8.7**	1.5	**0.23**	0.033
	2 ½	64	**10.9**	1.9	**0.23**	0.033
	3	76	**13.0**	2.3	**0.23**	0.033
	3 ½	89	**15.2**	2.7	**0.23**	0.033
	4	102	**17.4**	3.1	**0.23**	0.033
CertaPro Board—Type CB 600	**1**	25	**4.5**	0.8	**0.22**	0.032
	1 ½	38	**6.8**	1.2	**0.22**	0.032
	2	51	**9.1**	1.6	**0.22**	0.032
AcoustaBoard Black	**1**	25	**4.3**	0.8	**0.20**	0.033
	1 ½	38	**6.5**	1.1	**0.22**	0.033
	2	51	**8.7**	1.5	**0.23**	0.033
AcoustaBlanket Black—Type 150	**1**	25	**4.2**	0.7	**0.24**	0.035
	1 ½	38	**6.3**	1.1	**0.24**	0.035
	2	51	**8.3**	1.5	**0.24**	0.035
AcoustaBlanket Black—Type 200	**½**	13	**2.1**	0.4	**0.24**	0.035

CertaPro® Thermal Products

CertaPro fiber glass thermal insulation delivers exceptional energy efficiency and is available in a number of configurations that meet the strict code requirements of commercial applications.

CertaPro AcoustaTherm Wall Installation

CertaPro Partition Batts

CertaPro AcoustaTherm Batts

CertaPro® AcoustaTherm™ Batts

Designed for friction-fit installation in steel stud wall construction, CertaPro® AcoustaTherm™ batts enhance the thermal and acoustical performance of exterior and interior walls. They can also be laid directly atop suspended ceiling systems to reduce noise and cross talk. They are lightweight and easy to fabricate and install. The batts are available unfaced or with kraft facing. Kraft faced batts are suitable for nonexposed applications and do not have tabs; they must be butted together when installed. In line with all CertainTeed fiber glass insulation products, CertaPro AcoustaTherm batts resist mold and mildew and will not rot or deteriorate.

PROPERTIES	TEST METHOD	UNFACED PERFORMANCE	KRAFT FACED PERFORMANCE
Thermal Resistance	ASTM C518	See table below	See table below
Combustibility	ASTM E136	Pass/Noncombustible	Combustible
Surface Burning Characteristics	ASTM E84	≤ 5/0	Not Rated
Water Vapor Sorption	ASTM C1104	≤ 3% by weight	≤ 3% by weight
Water Vapor Permeance	ASTM E96	Not applicable	≤ 1.0 perm (57 ng/Pa•s•m^2)
Corrosiveness	ASTM C665	Pass	Pass
Fungi Resistance	ASTM C1338	Pass	Pass
Odor Emission	ASTM C1304	Pass	Pass
Maximum Use Temperature	ASTM C411	450°F (232°C)	200°F (93°C)

Unfaced Batts*

THERMAL RESISTANCE		THICKNESS		WIDTH		LENGTH	
R	RSI	in.	mm	in.	mm	in.	mm
8	1.4	**2 ½**	64	**16, 24**	406, 610	**96**	2438
11	1.9	**3 ½**	89	**16, 24**	406, 610	**96**	2438
11	1.9	**3 ½**	89	**24**	610	**48**	1219
19	3.3	**6 ¼**	159	**16, 24**	406, 610	**96**	2438
19	3.3	**6 ¼**	159	**24**	610	**48**	1219
30	5.3	**10**	254	**24**	610	**48**	1219

*R-11 and R-19 are available in kraft faced tabless batts (24-inch width and 48-inch length).

Kraft Faced Batts

THERMAL RESISTANCE		THICKNESS		WIDTH		LENGTH	
R	RSI	in.	mm	in.	mm	in.	mm
11	1.94	**3 ½**	89	**24**	610	**48**	1219
19	3.35	**6 ¼**	159	**24**	610	**48**	1219

CertaPro® Partition Batt

This unfaced, light-density fiber glass batt's thinner 1-1/2-inch (38 mm) profile is designed for use in shaft and low profile partition walls with steel stud construction. It enhances thermal and acoustic performance and is lightweight and easy to fabricate and install. In line with all CertainTeed fiber glass insulation products, CertaPro partition batt resists mold and mildew and will not rot or deteriorate. It is rated noncombustible (per ASTM E136).

PROPERTIES	TEST METHOD	PERFORMANCE
Thermal Resistance	ASTM C518	See table below
Combustibility	ASTM E136	Pass/Noncombustible
Surface Burning Characteristics	ASTM E84	≤ 5/0
Water Vapor Sorption	ASTM C1104	≤ 3% by weight
Corrosiveness	ASTM C665	Pass
Fungi Resistance	ASTM C1338	Pass
Odor Emission	ASTM C1304	Pass
Maximum Use Temperature	ASTM C411	450°F (232°C)

THERMAL RESISTANCE		THICKNESS		WIDTH		LENGTH	
R	RSI	in.	mm	in.	mm	in.	mm
5.8	1.0	**1 ½**	38	**24**	610	**48**	1219

CertaPro Thermal Kraft Faced Batts

CertaPro Foil Faced Batts

CertaPro® Thermal Kraft Faced Batts

These light-density fiber glass batts improve thermal and acoustic performance of exterior and interior walls with steel stud construction as well as floor/ceiling assemblies. They feature a kraft paper vapor retarder facing that is suitable for nonexposed applications, and are easy to fabricate and install. In line with all CertainTeed fiber glass insulation products, they resist mold and mildew and will not rot or deteriorate.

PROPERTIES	TEST METHOD	PERFORMANCE
Thermal Resistance	ASTM C518	See table below
Combustibility	ASTM E136	Combustible
Surface Burning Characteristics	ASTM E84	Not rated
Water Vapor Sorption	ASTM C1104	≤ 3% by weight
Water Vapor Permeance	ASTM E96	≤ 1.0 perm (57 ng/Pa•s•m²)
Corrosiveness	ASTM C665	Pass
Fungi Resistance	ASTM C1338	Pass
Odor Emission	ASTM C1304	Pass
Maximum Use Temperature	ASTM C411	200°F (93°C)

THERMAL RESISTANCE		THICKNESS		WIDTH		LENGTH	
R	RSI	in.	mm	in.	mm	in.	mm
11	1.9	**3½**	89	**16, 24**	406, 610	**48, 96**	1219, 2438
13	2.3	**3½**	89	**16, 24**	406, 610	**96**	2438
19	3.3	**6¼**	159	**16**	406	**96**	2438
19	3.3	**6¼**	159	**24**	610	**48, 96**	1219, 2438

CertaPro® Thermal Foil Faced Batts

These light-density fiber glass batts with a foil vapor retarder facing are designed for nonexposed applications where a 75/450 fire hazard classification is required. Sizes are available for both steel and wood stud construction to improve thermal and acoustic performance of exterior and interior walls and floor/ceiling assemblies. They are easy to fabricate and install, and in line with all CertainTeed fiber glass insulation products, they resist mold and mildew and will not rot or deteriorate.

PROPERTIES	TEST METHOD	PERFORMANCE
Thermal Resistance	ASTM C518	See tables below
Combustibility	ASTM E136	Combustible
Surface Burning Characteristics	ASTM E84	≤ 75/450
Water Vapor Sorption	ASTM C1104	≤ 3% by weight
Water Vapor Permeance	ASTM E96	≤ 0.05 perm (2.8 ng/Pa•s•m²)
Corrosiveness	ASTM C665	Pass
Fungi Resistance	ASTM C1338	Pass
Odor Emission	ASTM C1304	Pass
Maximum Use Temperature	ASTM C411	200°F (93°C)

For Steel Studs

THERMAL RESISTANCE		THICKNESS		WIDTH		LENGTH	
R	RSI	in.	mm	in.	mm	in.	mm
11	1.9	**3½**	89	**16, 24**	406, 610	**96**	2438
11	1.9	**3½**	89	**24**	610	**48**	1219
13	2.3	**3½**	89	**16**	406	**96**	2438
13	2.3	**3½**	89	**24**	610	**48**	1219
19	3.3	**6¼**	159	**16, 24**	406, 610	**96**	2438
19	3.3	**6¼**	159	**24**	610	**48**	1219
30	5.3	**10**	254	**16, 24**	406, 610	**48**	1219
38	6.7	**12**	305	**24**	610	**48**	1219

For Wood Studs

THERMAL RESISTANCE		THICKNESS		WIDTH		LENGTH	
R	RSI	in.	mm	in.	mm	in.	mm
11	1.9	**3½**	89	**15, 23**	381, 584	**93**	2362
19	3.3	**6¼**	159	**15, 23**	381, 584	**48**	1219
19	3.3	**6¼**	159	**15, 23**	381, 584	**93**	2362

CertaPro® Thermal FSK-25 Faced Batts

These light-density fiber glass batts with a foil scrim kraft (FSK) vapor retarder facing are used where a 25/50 fire hazard classification is required; they are UL listed, with a flame spread rating of 25 for exposed applications. The vapor retarder facing has a low perm rating. Sizes are available for both steel and wood stud construction to improve thermal and acoustic performance of exterior and interior walls and floor/ceiling assemblies. In line with all CertainTeed fiber glass insulation products, CertaPro thermal FSK-25 faced batts resist mold and mildew and will not rot or deteriorate.

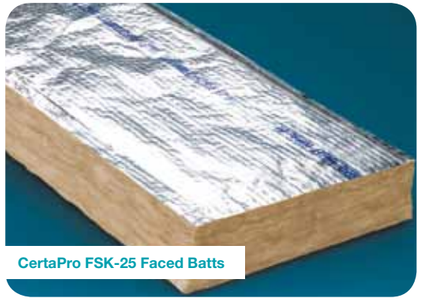
PROPERTIES	TEST METHOD	PERFORMANCE
Thermal Resistance	ASTM C518	See tables below
Combustibility	ASTM E136	Pass/Noncombustible
Surface Burning Characteristics	ASTM E84	≤ 25/50
Water Vapor Sorption	ASTM C1104	≤ 3% by weight
Water Vapor Permeance	ASTM E96	≤ 0.02 perm (1.1 ng/Pa•s•m²)
Corrosiveness	ASTM C665	Pass
Fungi Resistance	ASTM C1338	Pass
Odor Emission	ASTM C1304	Pass
Maximum Use Temperature	ASTM C411	250°F (121°C)

For Steel Studs

THERMAL RESISTANCE		THICKNESS		WIDTH		LENGTH	
R	RSI	in.	mm	in.	mm	in.	mm
11	1.9	**3½**	89	**16, 24**	406, 610	**48**	1219
11	1.9	**3½**	89	**16, 24**	406, 610	**96**	2438
13	2.3	**3½**	89	**16**	406	**96**	2438
19	3.3	**6¼**	159	**16, 24**	406, 610	**48**	1219
19	3.3	**6¼**	159	**16, 24**	406, 610	**96**	2438
30	5.3	**10**	254	**16, 24**	406, 610	**48**	1219
38	6.7	**12**	305	**24**	610	**48**	1219

For Wood Studs

THERMAL RESISTANCE		THICKNESS		WIDTH		LENGTH	
R	RSI	in.	mm	in.	mm	in.	mm
11	1.9	**3½**	89	**15**	381	**48**	1219
11	1.9	**3½**	89	**15, 23**	381, 584	**96**	2438
19	3.3	**6¼**	159	**15, 23**	381, 584	**48**	1219



CertaPro FSK-25 Faced Batts

CertaPro Extended Flange Batts

CertaPro® Thermal Extended Flange Batts

These light-density fiber glass batts with 4-inch (102 mm) flanges are used to add thermal performance below wood deck roof systems found in large retail stores and warehouses, lofts and studios; they also increase sound transmission class (STC) ratings by absorbing noise and reducing noise transmission. Thermal extended flange batts have a Class A/Class I fire hazard classification of 25/50 for exposed applications. Three facings are available: foil scrim kraft (FSK) and white poly scrim kraft (PSK), which provide high light reflectance, and black PSK for areas where low light reflectance is desired. They are easy to fabricate and install, and in line with all CertainTeed fiber glass insulation products, resist mold and mildew and will not rot or deteriorate.

PROPERTIES	TEST METHOD	FSK FACED PERFORMANCE	PSK FACED PERFORMANCE
Thermal Resistance	ASTM C518 or C177	See table below	See table below
Combustibility	ASTM E136	Pass/Noncombustible	Pass/Noncombustible
Surface Burning Characteristics	ASTM E84	≤ 25/50	≤ 25/50
Water Vapor Sorption	ASTM C1104	≤ 3% by weight	≤ 3% by weight
Water Vapor Permeance	ASTM E96	≤ 0.02 perm (1.1 ng/Pa•s•m²)	≤ 0.02 perm (1.1 ng/Pa•s•m²)
Corrosiveness	ASTM C665	Pass	Pass
Fungi Resistance	ASTM C1338	Pass	Pass
Odor Emission	ASTM C1304	Pass	Pass
Maximum Use Temperature	ASTM C411	250°F (121°C)	250°F (121°C)

THERMAL RESISTANCE		THICKNESS		WIDTH		LENGTH	
R	RSI	in.	mm	in.	mm	in.	mm
19	3.3	**6¼**	159	**23**	584	**93**	2362
19	3.3	**6¼**	159	**23**	584	**96**	2438
30*	5.3	**10**	254	**24**	610	**48**	1219

*Available in FSK only.

CertaPro® Board

Composed of resin-bonded glass fibers in a range of densities, CertaPro Board is an excellent choice for applications where the rigid properties of a board-type insulation product are beneficial. CertaPro Board can be used to add sound absorption to interior spaces and is available with foil scrim kraft (FSK) facing for a clean, metallic surface finish, or unfaced for use where an exterior finish will be applied. Additionally, unfaced and FSK facing are compliant where a fire hazard classification of 25/50 is required and can be used for exposed or non-exposed applications. Stiffness ranges from rigid to more flexible, allowing for a wider range of uses. Both unfaced and FSK faced boards are easy to fabricate and install, and in line with all CertainTeed fiberglass insulation products, resists mold and mildew and will not rot or deteriorate.

PROPERTIES	TEST METHOD	UNFACED PERFORMANCE	FSK FACED PERFORMANCE	ASJ FACED PERFORMANCE
Thermal Resistance	ASTM C518	See table below	See table below	See table below
Limited Combustible (Types CB 300, 600)	NFPA 259	< 3500 Btu/lb.	< 3500 Btu/lb.	< 3500 Btu/lb.
Surface Burning Characteristics	ASTM E84	≤ 25/50	≤ 25/50	≤ 25/50
Acoustical Performance	ASTM C423	See table below	See table below	See table below
Water Vapor Sorption	ASTM C1104	≤ 3% by weight	≤ 3% by weight	≤ 3% by weight
Water Vapor Permeance	ASTM E96	Not rated	≤ 0.02 perm (1.1 ng/Pa•s•m^2)	≤ 0.02 perm (1.1 ng/Pa•s•m^2)
Corrosiveness	ASTM C665	Pass	Pass	Pass
Fungi Resistance	ASTM C1338	Pass	Pass	Pass
Odor Emission	ASTM C1304	Pass	Pass	Pass
Maximum Use Temperature	ASTM C411	450°F (232°C)	250°F (121°C)	250°F (121°C)

TYPE	THICKNESS		DENSITY		THERMAL RESISTANCE		THERMAL CONDUCTIVITY	NRC VALUE
—	in.	mm	lb./ft.^{3}	Kg/m^3	R	RSI	Btu•in./hr.•ft.^{2}•°F^2	Unfaced
CB 150	**1 ½**	38	**1.50**	24	**6.0**	1.1	0.25	0.80
	2	51	**1.50**	24	**8.0**	1.4	0.25	0.90
	2 ½	64	**1.50**	24	**10.0**	1.8	0.25	0.90
	3	76	**1.50**	24	**12.0**	2.1	0.25	1.00
	3 ½	89	**1.50**	24	**14.0**	2.5	0.25	1.05
	4	102	**1.50**	24	**16.0**	2.8	0.25	1.00
CB 225	**1**	25	**2.25**	36	**4.2**	0.7	0.24	0.70
	1 ½	38	**2.25**	36	**6.3**	1.1	0.24	0.80
	2	51	**2.25**	36	**8.3**	1.5	0.24	0.90
	2 ½	64	**2.25**	36	**10.4**	1.8	0.24	1.00
	3	76	**2.25**	36	**12.5**	2.2	0.24	1.00
	3 ½	89	**2.25**	36	**14.6**	2.6	0.24	1.05
	4	102	**2.25**	36	**16.6**	2.9	0.24	1.05
CB 300	**1**	25	**3.00**	48	**4.3**	0.8	0.23	0.70
	1 ½	38	**3.00**	48	**6.5**	1.1	0.23	0.80
	2	51	**3.00**	48	**8.7**	1.5	0.23	0.95
	2 ½	64	**3.00**	48	**10.9**	1.9	0.23	1.00
	3	76	**3.00**	48	**13.0**	2.3	0.23	1.05
	3 ½	89	**3.00**	48	**15.2**	2.7	0.23	1.05
	4	102	**3.00**	48	**17.4**	3.1	0.23	1.05
CB 600	**1**	25	**6.00**	96	**4.5**	0.8	0.22	0.75
	1 ½	38	**6.00**	96	**6.8**	1.2	0.22	0.90
	2	51	**6.00**	96	**9.1**	1.6	0.22	1.00

Acoustic Performance

CertainTeed fiber glass insulation delivers more than just excellent thermal performance. CertaPro insulation in exterior walls helps keep excessive outside noise — traffic, loud music, low-flying aircraft — from reaching distracting levels inside a building, while maintaining comfortable temperatures and lowering energy consumption. CertainTeed also makes several commercial insulation products designed to address the specific challenges of minimizing inside noise and creating outstanding acoustic environments for theaters and other entertainment facilities.

The solution of most room-to-room sound control problems is to design structural assemblies for optimum reduction of sound transmission and to fill them with fiber glass acoustical insulation. Installed in interior partitions, shaftwalls, ceilings and roof deck assemblies, CertaPro fiber glass insulation can reduce noise transmission, control noise within office areas and attenuate sound emanating from mechanical systems. In fact, in certain types of stud walls STC ratings (see below) can be increased up to 12 points by adding CertaPro AcoustaTherm batts in stud cavities. Consult local building codes for recommendations best suited to the application.

It is incorrect to assume that higher density insulation equates to better sound ratings. Tests have shown that wall assemblies with insulation of the same thickness but varying densities show no significant differences in STC ratings. The conclusion: Insulation *thickness* is the most important property for acoustical insulation.

For more on fiber glass insulation and noise control, see the CertainTeed brochure *Noise Control for Buildings* (literature code 30-29-121).

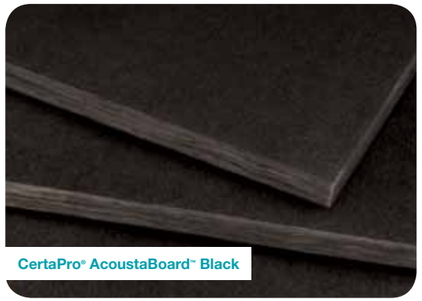
Sound Transmission Class (STC)

STC is a numerical rating used to express the effectiveness of an entire construction assembly (wall, floor/ceiling, door or window) in resisting the passage of airborne sound. This table shows the relationship between STC and noise control effectiveness.

STC RATING	SPEECH AUDIBILITY	EFFECTIVENESS
15 to 25	Normal speech easily understood	Poor
25 to 35	Loud speech easily heard; 50% of normal speech understood	Marginal
35 to 45	50% of loud speech understood; normal speech heard but not understood	Good
45 to 55	Loud speech faintly heard but not understood	Very Good
55 and higher	Loud speech usually not heard not understood	Excellent

CertaPro® Acoustic Products

CertaPro fiber glass acoustic insulation is specifically designed for theaters, sound studios and other interior spaces where sound quality is of paramount importance.



CertaPro® AcoustaBoard™ Black

CertaPro® AcoustaBlanket™ Black

CertaPro® AcoustaBoard™ Black

This rigid fiber glass board is used for applications requiring an exposed black faced sound-absorbing insulation. AcoustaBoard Black has an abuse-resistant nonwoven facing that is fully bonded to the core; delamination is not an issue. It is widely used to improve acoustics in theaters, sound studios and entertainment facilities — controlling reverberation, reducing noise levels and eliminating echoes — and is ideal for interiors that are meant to be dark. It is lightweight, easy to fabricate and install, resists fungal growth and, in line with all CertainTeed fiber glass insulation products, resists mold and mildew and will not rot or deteriorate. AcoustaBoard Black carries a Class A/Class I fire hazard classification of 25/50 for exposed applications.

PROPERTIES	TEST METHOD	PERFORMANCE
Thermal Resistance	ASTM C518	See other tables on this page
Limited combustibility	NFPA 259	≤ 3500 Btu/lb.
Surface Burning Characteristics	ASTM E84	≤ 25/50
Water Vapor Sorption	ASTM C1104	≤ 2% by weight
Corrosiveness	ASTM C665	Pass
Fungi Resistance	ASTM C1338	Pass
Odor Emission	ASTM C1304	Pass
Maximum Use Temperature	ASTM C411	250°F (121°C)

THERMAL RESISTANCE		THICKNESS	
R	RSI	in.	mm
4.3	0.8	**1**	25
6.5	1.1	**1 ½**	38
8.7	1.5	**2**	51

Standard board sizes are 24" x 48" (610 mm x 1219 mm) and 48" x 96" (1219 mm x 2438 mm). Contact your CertainTeed representative for availability and non-standard sizes.

Acoustical Performance

TYPE	THICKNESS		ABSORPTION COEFFICIENTS @ OCTAVE BAND FREQUENCIES						NRC
—	in.	mm	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	—
225	**1**	25	0.06	0.30	0.58	0.85	0.91	0.94	0.65
	1 ½	38	0.12	0.48	0.83	0.90	0.90	0.89	0.80
	2 ½	64	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
	1 ½	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

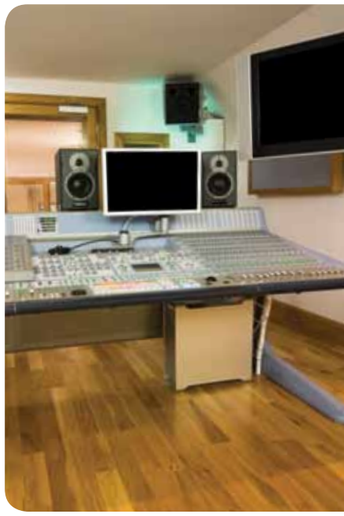
Sound absorption tested in accordance with ASTM C423 using Type A mounting per ASTM E795.

CertaPro® AcoustaBlanket™ Black

This fiber glass blanket has an abuse-resistant surface and is used for applications requiring black sound-absorbing insulation. AcoustaBlanket Black is flexible for easy fabrication and installation on irregular surfaces. It improves acoustics in theaters, sound studios and entertainment facilities — controlling reverberation, reducing noise levels and eliminating echoes — and is ideal for interiors that are meant to be dark. In line with all CertainTeed fiber glass insulation products, it resists mold and mildew and will not rot or deteriorate. AcoustaBlanket Black carries a Class A/Class I fire hazard classification of 25/50 for exposed applications.

PROPERTIES	TEST METHOD	PERFORMANCE
Thermal Resistance	ASTM C518 or C177	See other tables on this page
Limited combustibility	NFPA 259	≤ 3500 Btu/lb.
Surface Burning Characteristics	ASTM E84	≤ 25/50
Water Vapor Sorption	ASTM C1104	< 3% by weight
Corrosiveness	ASTM C665	Pass
Fungi Resistance	ASTM C1338	Pass
Odor Emission	ASTM C1304	Pass
Maximum Use Temperature	ASTM C411	250°F (121°C)

TYPE	THICKNESS		DENSITY		ROLL WIDTH		ROLL LENGTH		THERMAL RESISTANCE	
—	in.	mm	lb./ft.³	Kg/m³	in.	mm	ft.	m	R	RSI
150	**1**	25	**1.5**	24	**48**	1219	**100**	30.5	**4.2**	0.7
	1 ½	38	**1.5**	24	**48**	1219	**50**	15.2	**6.3**	1.1
	2	51	**1.5**	24	**48**	1219	**50**	15.2	**8.3**	1.5
200	**½**	13	**2.0**	32	**48**	1219	**100**	30.5	**2.1**	0.4



Acoustical Performance

TYPE	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
	1 ½	38	0.35	0.51	0.83	0.93	0.97	0.96	0.80
	2	51	0.34	0.64	0.96	1.03	1.00	1.03	0.90
200	**½**	13	0.09	0.14	0.40	0.60	0.73	0.82	0.45

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

Ventilation and Moisture

There's more to improving a building's energy performance than simply adding insulation… though it's an excellent starting point! Every structure is a system made up of separate components — the building envelope, mechanical systems and occupants — whose interactions affect how much moisture is generated and how well that moisture is managed. CertainTeed offers innovative products that work with our insulation to provide improved protection against moisture's potentially damaging effects.

Moisture

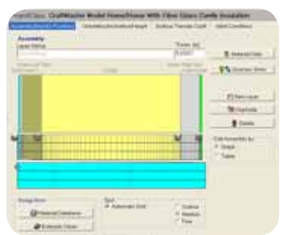
Every individual in an office or school produces water vapor simply by breathing — and plants, cooking equipment and other sources of water vapor add more moisture to the indoor environment. During the heating season this vapor is drawn from the building's warm interior to the cooler exterior. If its movement into exterior wall cavities is not minimized by a vapor retarder, condensation occurs when the vapor contacts a cold surface. Continued exposure to such damp conditions can compromise insulation performance, damage wood framing and cause mold and mildew to grow.

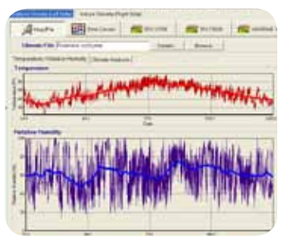
Vapor Retarders

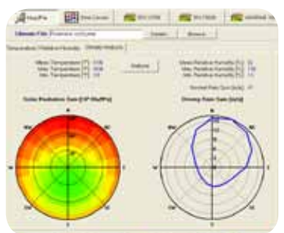
A vapor retarder is any material that limits or restricts the transmission of water vapor. CertainTeed fiber glass insulation is available with kraft, standard foil or flame resistant facings that function as vapor retarders. Unfaced insulation requires a separate vapor retarder, typically nylon or polyethylene film. CertainTeed MemBrain™ Smart Vapor Retarder & Air Barrier Film is an innovative new option that actually changes its permeability to water vapor depending on ambient humidity; see page 14 for more information.

Ventilation

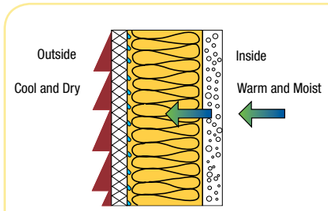
To allow excess water vapor to escape, provisions should be made for proper ventilation. Building designs must provide adequate ventilation in accordance with ANSI/ASHRAE Standard 62.1-2007, Ventilation for Acceptable Air Quality, and vapor retarders must be installed in accordance with good practice.



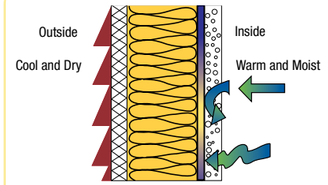




CertainTeed's Building Science experts use many forms of testing and analysis, including sophisticated energy and moisture modeling, to help bring the best products and solutions to the insulation marketplace.



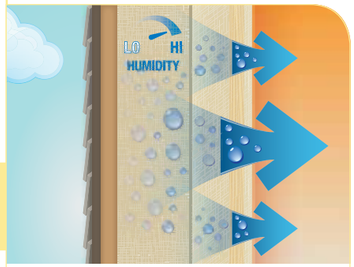
Without a vapor retarder, moisture can penetrate wall and condense on cold surface.



With a vapor retarder, moisture can't reach cold surface to condense.

Blocks Moisture

When humidity levels in the wall are low, MemBrain prevents indoor moisture from entering.



Releases Moisture

When humidity levels in the wall increase, MemBrain becomes more porous to let excess moisture escape.

MemBrain™ – The Smart Vapor Retarder & Barrier Film

It's nearly impossible to keep moisture from entering a building's walls. That's why traditional vapor barriers only do half the job. They help block moisture penetration, but they also block moisture from escaping — hindering the building's natural drying potential.

MemBrain not only blocks moisture, it works to dry wall cavities. Unlike traditional poly vapor barriers, this advanced material adapts to humidity levels in the walls. It is impermeable to block moisture when humidity is low in the cavity and increases its permeability when humidity is high to let moisture escape.

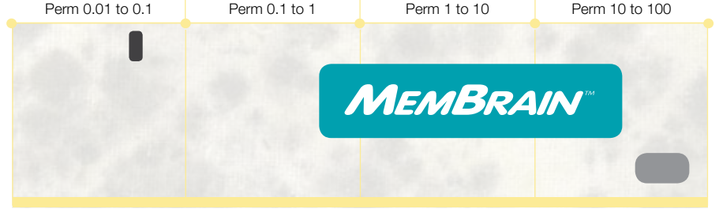
MemBrain™

MemBrain™ Benefits

- Actively changes permeability to help reduce moisture buildup in wall cavities, helping prevent expensive mold, mildew and rot damage
- Can protect indoor air quality and lower the risk of occupant respiratory health problems

IT COVERS MULTIPLE CLASSES FOR YOUR PROTECTION

Vapor Barrier (Class I)	Vapor Retarder (Class II)	Semi-permeable (Class III)	Permeable
Perm 0.01 to 0.1	Perm 0.1 to 1	Perm 1 to 10	Perm 10 to 100



6 mil polyethylene (0.05-0.06) MemBrain (0.8-36) Plain gypsum board (45-85)

MemBrain is unique among vapor retarders because of its ability to change its molecular structure. When humidity is low, it functions as a standard vapor retarder, like asphalt coated kraft paper. When humidity is high, it ranges from Class III (semi-permeable) to permeable. MemBrain is the only product on the market that straddles three vapor retarder categories.

NOMINAL PRODUCT SIZE		NOMINAL WEB WIDTH		ACTUAL WEB WIDTH		COVERAGE		BOX LENGTH		ROLL WEIGHT*		ROLLS PER PALLET	WEIGHT PER PALLET	
ft.	m	in.	mm	in.	mm	sq. ft.	sq. m	in.	m	lbs.	kg	**	lbs.	kg
8	2.44	**96**	2438	**100**	2450	**800**	74.3	**28.3**	718	**11.1**	5.0	45	**545**	247
9	2.74	**108**	2743	**112**	2845	**900**	83.6	**31.5**	800	**12.5**	5.7	45	**608**	276
10	3.05	**120**	3048	**124**	3150	**1000**	92.9	**34.5**	876	**13.7**	6.2	40	**593**	269
12	3.66	**144**	3658	**148**	3759	**1200**	111.5	**41.0**	1041	**17.0**	7.7	30	**555**	252

*With box and core **48" (1219 mm) maximum pallet height

sustainable insulation®

CertainTeed is dedicated to Building Responsibly™. This commitment more than simply producing high performance insulation that helps reduce energy consumption. It also means minimizing the impact of manufacturing and shipping operations, and developing next-generation insulation products that raise the bar for environmental performance.

Our new line of Sustainable Insulation® is just such a product. It is made from recycled content and a renewable, plant-based binder that does not have any formaldehyde, harsh acrylics, dyes or unnecessary fire-retardant chemicals added. What's more, the manufacturing process for Sustainable Insulation requires less water and consumes less energy than standard processes.

With exceptional handling benefits including superior rigidity, recovery and cutability, Sustainable Insulation improves job site efficiency. Batts and rolls are less dusty and easier to work with, while also providing the excellent thermal, acoustical and indoor air quality performance that customers demand.

Green Stewardship

Sustainable Insulation meets or exceeds all performance standards required for insulation products in the U.S. and Canada. It is also GREENGUARD® Children & Schools Certified℠ and an NAHB Green Approved product.

Unfaced Batts

THERMAL RESISTANCE		THICKNESS		WIDTH	
R	RSI	in.	mm	in.	mm
11	1.9	**3½**	89	**11¼, 15, 15¼, 19, 23, 23¼, 44, 48, 84**	286, 381, 387, 483, 584, 591, 1118, 1219, 2134
13	2.3	**3½**	89	**15¼, 16, 23¼, 24**	387, 406, 591, 610
15	2.6	**3½**	89	**15¼, 23¼**	387, 591
19	3.3	**6¼**	159	**11, 11¼, 15, 15¼, 16, 19, 23, 23¼, 24, 48**	279, 286, 381, 387, 406, 483, 584, 591, 610, 1219
21	3.7	**5½**	140	**15, 15¼, 23¼**	381, 387, 591
25	4.4	**8**	203	**15, 16, 19, 23, 24, 32, 46¼**	381, 406, 483, 584, 610, 813, 1181
30	5.3	**10**	254	**16, 19, 24**	406, 483, 610
30C*	5.3	**8¼**	210	**15¼, 23¼**	387, 591
38	6.7	**12**	305	**16, 24**	406, 610
38C*	6.7	**10¼**	260	**15¼, 23¼**	387, 591

Kraft Faced Batts

THERMAL RESISTANCE		THICKNESS		WIDTH	
R	RSI	in.	mm	in.	mm
11	1.9	**3½**	89	**11, 15, 16, 23, 24**	279, 381, 406, 584, 610
13	2.3	**3½**	89	**11, 15, 16, 19, 23, 24**	279, 381, 406, 483, 584, 610
15	2.6	**3½**	89	**15, 23**	381, 584
19	3.3	**6¼**	159	**11, 15, 16, 19, 23, 24**	279, 381, 406, 483, 584, 610
21	3.7	**5½**	140	**15, 23**	381, 584
22	3.9	**6½**	165	**15, 19, 23**	381, 483, 584
25	4.4	**8**	203	**15, 23**	381, 584
26	4.6	**8**	203	**16, 24**	406, 610
30	5.3	**10**	254	**11, 15, 16, 19, 19¼, 24**	279, 381, 406, 483, 489, 610
30C*	5.3	**8¼**	210	**15, 23**	381, 584
38	6.7	**12**	305	**16, 24**	406, 610
38C*	6.7	**10¼**	260	**15, 23**	381, 584

*Cathedral Ceiling Batts

For all standard sizes, availability and made-to-order requests, please contact your CertainTeed representative.

Specification Compliance

Model Building Codes

Model building codes establish minimum requirements to protect public health, safety and welfare in the built environment. Local and state governments adopt model codes to protect their communities from fire, structural collapse and general deterioration. These model codes are normally adopted in total or with amendments that reflect specific local needs, and in some cases the local jurisdictions write their code. For decades, three regional model code organizations developed the building codes used in the United States. The three model code organizations consolidated into the International Code Council in 2003.

The International Code Council, a membership association dedicated to building safety and fire prevention, develops the codes used to construct residential and commercial buildings, including homes and schools. Most U.S. cities, counties and states that adopt codes choose the International Codes developed by the International Code Council. The most current code adoption information can be found at **www.bcap-energy.org**.

PRODUCT	ASTM C553, Type I	ASTM C553, Type II	ASTM C553, Type III	ASTM C612, Type IA	ASTM C612, Type IB	ASTM C665, Type I	ASTM C665, Type II, Class A, Category 1	ASTM C665, Type II, Class C, Category 1	ASTM C665, Type III, Class A, Category 1	ASTM C665, Type III, Class B, Category 1
AcoustaTherm Batts — Unfaced	●					●				
AcoustaTherm Batts — Kraft Faced								●		
Partition Batts, Unfaced	●	●				●				
Thermal Kraft Faced Batts	●							●		
Thermal Foil Faced Batts										●
Thermal FSK-25 Faced Batts	●	●							●	
Thermal Extended Flange Batts — FSK Faced	●								●	
Thermal Extended Flange Batts — PSK Faced	●						●			
CertaPro Board — Type CB 150	●	●	●	●						
CertaPro Board — Type CB 225				●						
CertaPro Board — Type CB 300, Type CB 600				●	●					
AcoustaBoard Black — Type 225				●						
AcoustaBoard Black — Type 300					●					
AcoustaBlanket Black — Type 150, Type 200	●	●								

ASTM MATERIAL STANDARDS FOR CERTAPRO PRODUCTS*

ASTM C553-11, Standard Specification for Mineral Fiber Blanket Thermal Insulation for Commercial and Industrial Applications

- Type I, maximum use 450°F (232°C), k-Value not greater than 0.36 (I = 0.052) at 75°F (24°C)
- Type II, maximum use temperature of 450°F (232°C), k-Value not greater than 0.31 (I = 0.045) at 75°F (24°C)
- Type III, maximum use temperature of 450°F (232°C), k-Value not greater than 0.26 (I = 0.037) at 75°F (24°C)

ASTM C612-10, Standard Specification for Mineral Fiber Block and Board Thermal Insulation

- Type IA, maximum use temperature 450°F (232°C) and compressive resistance not less than 25 lb/ft² (1.2 kPa) at 10% deformation

ASTM C665-11, Standard Specification for Mineral Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing

- Type I, plain blanket
- Type II, blanket with nonreflective facing
- Type III, blanket with reflective facing
- Class A, facing flame spread <25
- Class B, facing flame propagation resistance >0.11 Btu/ft² (>0.12 W/cm²)
- Class C, facing not rated for flame propagation resistance (for nonexposed applications only)
- Category 1, facing is a vapor retarder
- Category 2, facing is not a vapor retarder

*For product-specific material standards, please see product specification sheets online at ct.com/insulation

Fire Safety Considerations

Fire Codes

Fire codes are intended to establish minimum requirements that provide a reasonable degree of safety from fire in buildings and structures. From the standpoint of building materials the codes are generally concerned with flammability ratings of interior finish materials, combustibility of the construction and its components, and the ability of a construction to resist exposure to fire.

Interior Finish

Wall and ceiling surfaces are rated by their Flame Spread Index (FSI) and Smoke Developed Index (SDI). These ratings, which are expressed in minutes, are determined in accordance with ASTM E84, *Standard Test Method for Surface Burning Characteristics of Building Materials.* Building codes have established three classes of performance, based upon flame spread and smoke developed indexes, which are used to specify requirements within the code (see chart).

Floor surface finishes are evaluated for their flame propagation properties using NFPA 253 or ASTM E648, *Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source*. This test method measures a performance factor called critical radiant flux, measured in watts per square centimeter.

CLASS DESIGNATION	FLAME SPREAD INDEX	SMOKE DEVELOPED INDEX
A or I	0-25	0-450
B or II	26-75	0-450
C or III	76-200	0-450

Combustibility

Materials that meet the criteria of ASTM E136, Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°, are classified as being noncombustible.

For materials that have a surface covering, the model building codes further define a noncombustible material as having a base material that meets the requirements of ASTM E136 and a surface covering less than 1⁄8" (3mm) in thickness whose flame spread index is not greater than 50.

Model building codes also classify building construction types as noncombustible or combustible based on their materials of construction. Noncombustible constructions, typically designated Types I and II, are made from steel, iron, concrete or masonry. Combustible construction, typically designated Types III, IV or V, can be made of materials specifically permitted by the code (most commonly wood).

Fire Resistance

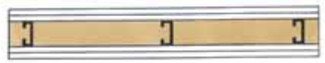
The ability of a structure to remain in place and prevent the spread of flames and heat when exposed to fire conditions is termed its fire resistance or time fire rating and is determined in accordance with ASTM E119, *Standard Test Methods for Fire Tests of Building Construction and Materials*.

Building codes regulate the type and location of materials used in building construction to provide for structural stability as well as for an acceptable degree of occupant safety when the building may be exposed to fire. Local code requirements must be consulted in order to determine specific compliance requirements.

Fire Rated Wall Assemblies

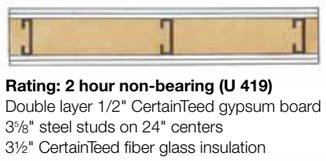
These drawings are a useful aid for fire rated wall assemblies

Rating: 2 hour non-bearing (U 419)
Double layer 1/2" CertainTeed gypsum board
2½" steel studs on 24" centers
2½" CertainTeed fiber glass insulation

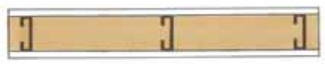


Rating: 2 hour non-bearing (U 411)
Double layer 5/8" CertainTeed gypsum board
Min. 2½" steel studs on 24" centers
2½" CertainTeed fiber glass insulation

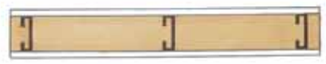
Rating: 1 hour non-bearing (U 419)
Single layer 5/8" CertainTeed gypsum board
Min. 3½" steel studs on 24" centers
3½" CertainTeed fiber glass insulation



Rating: 2 hour non-bearing (U 419)
Double layer 1/2" CertainTeed gypsum board
3⅝" steel studs on 24" centers
3½" CertainTeed fiber glass insulation



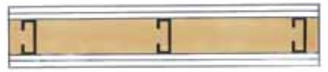
Rating: 1 hour non-bearing (U 465 or U 419)
Single layer 5/8" CertainTeed gypsum board
3⅝" steel studs on 24" centers
3½" CertainTeed fiber glass insulation



Rating 1 hour non-bearing (U 465)
Single layer 5/8" CertainTeed gypsum board
3⅝" steel studs on 24" centers
3½" CertainTeed fiber glass insulation

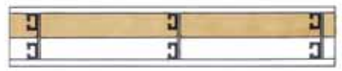
Rating: 1 hour non-bearing (U 419)
Single layer 5/8" CertainTeed gypsum board
Min. 3½" steel studs on 24" centers
3½" CertainTeed fiber glass insulation

Note: Drawings for illustration purposes only. Refer to Underwriters Laboratories Fire Resistance Directory for assembly details and other options.

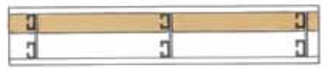


Rating: 2 hour non-bearing (U 411 or U 419)
Double layer 5/8" CertainTeed gypsum board
3⅝" steel studs on 24" centers
3½" CertainTeed fiber glass insulation

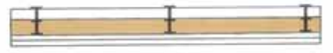
Rating: 2 hour non-bearing (U 436)
Chase wall: Double layer 5/8" CertainTeed gypsum board
1⅝" steel studs on 24" centers
CertainTeed fiber glass insulation to fill cavity



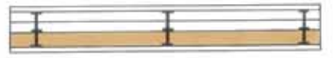
Rating: 1 hour non-bearing (U 420)
Chase wall: Single layer 5/8" CertainTeed gypsum board
1⅝" steel studs on 24" centers
3½" CertainTeed fiber glass insulation



Rating: 2 hour non-bearing (U 420)
Chase wall: Double layer 5/8" CertainTeed gypsum board
1⅝" steel studs on 24" centers
2½" CertainTeed fiber glass insulation



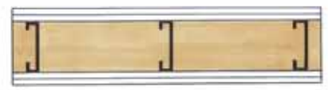
Rating: 2 hour non-bearing (U 497)
Shaft wall: Single layer 1" Type FSW gypsum board one side, double layer 1/2" Type FSW-G gypsum board other side
2½" steel I studs on 24" centers
1½" CertainTeed CertaPro partition insulation



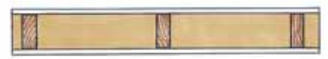
Rating: 2 hour non-bearing (U 498)
Shaft wall: Double layer (1" CertainTeed + 1/2" Type FSW) gypsum board on one side, single layer 1/2" Type FSW-G gypsum board on other side
2½" steel I studs on 24" centers
1½" CertainTeed CertaPro partition insulation

Rating: 1 hour non-bearing (U 499)
Shaft wall: Single layer 1" Type FSW gypsum board on one side, single layer 5/8" Type FSW gypsum board on other side
2½" steel I studs on 24" centers
1½" CertainTeed CertaPro partition insulation

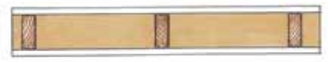
Rating: 1 hour non-bearing (U 465 or U 419)
Single layer 5/8" CertainTeed gypsum board on each side
6" steel studs on 24" centers
6¼" CertainTeed fiber glass insulation



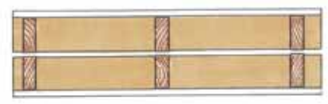
Rating: 2 hour non-bearing (U 419)
Double layer 5/8" CertainTeed gypsum board on each side
6" steel studs on 24" centers
6¼" CertainTeed fiber glass insulation



Rating: 3/4 hour bearing (U 317)
Single layer 1/2" CertainTeed gypsum board on each side
2" x 4" wood studs on 16" centers
3½" CertainTeed fiber glass insulation



Rating: 1 hour bearing (U 305)
Single layer 5/8" CertainTeed gypsum board on each side
2" x 4" wood studs on 16" centers
3½" CertainTeed fiber glass insulation



Rating: 1 hour bearing (U 341)
Single layer 5/8" CertainTeed gypsum board on each side
2" x 4" double wood studs on 24" centers
2 layers 3½" CertainTeed fiber glass insulation

More Commercial Products

More Products For Commercial Construction

CertainTeed Metal Building Insulation 202-96

A flexible blanket of fiber glass insulation, furnished in rolls, designed to be faced on one side with a suitable vapor retarder by independent metal building insulation laminators.

For additional information: Pub. No. 30-27-003

InsulSafe® SP Fiber Glass Blowing Insulation

High performance fiber glass blowing insulation. Designed for installation in open or closed cavities. Lasts for the life of the building to reduce energy demand and costs. Applied using recommended pneumatic blowing machines.

For additional information: Pub. No. 30-24-294

OPTIMA® Fiber Glass Blowing Insulation System

High performance loose-fill insulation designed for installation into framed construction cavities covered with non-woven OPTIMA® fabric or equivalent.

For additional information: Pub. No. 30-24-216

CrimpWrap™ Crimped Pipe and Tank Wrap

Flexible blanket of variably oriented glass fibers firmly bonded together with a thermosetting resin. Available with either Foil Scrim (FS) or ASJ (All Service Jacket) vapor retarder facings. Used to control heat loss or gain in large diameter piping and equipment.

For additional information: Pub. No. 30-32-102

DryRight™

Fiber glass batts faced with MemBrain™ Smart Vapor Retarder & Air Barrier Film. Available for residential and commercial applications. Friction-fit for quick, easy installation.

For additional information: Pub. No. 30-28-091

Basement Wall and Masonry Wall Insulation

Half-wall or full-wall insulation available in two facings, white PSK and standard FSK. Designed for use in both residential and commercial applications where code or builder preference specifies an insulated basement area. Both facings are perforated. Intended for applications where the insulation will be left exposed.

For additional information: Pub. No. 30-21-1295

ToughGard® Duct Board

Rigid boards of resin bonded glass fibers with a reinforced foil laminate air barrier/vapor retarder. ToughGard duct board has a tough, durable, black mat facing applied to the air stream surface. Used to fabricate air ducts for heating, ventilating and air conditioning systems.

For additional information: Pub. No. 30-34-006

ToughGard® Rigid Liner Board

Semi-rigid acoustical and thermal insulation board composed of glass fibers firmly bonded with a thermosetting resin. Air stream surface is overlaid with a tough, durable, fire-resistant black composite surface. Used for lining large sheet metal HVAC ducts and plenums.

For additional information: Pub. No. 30-34-010

ToughGard® T and ToughGard® R Duct Liners

Acoustical and thermal insulation used for lining sheet metal HVAC ducts. Composed of long textile glass fibers firmly bonded with a thermosetting resin. Air stream surface is overlaid with a tough, durable, fire-resistant black composite surface. ToughGard R duct liner is composed of rotary-type glass fibers.

For additional information: Pub. No. 30-33-019 (ToughGard T) and Pub. No. 30-33-011 (ToughGard R)

Ultra*Duct™ Black Duct Board

Ultra*Duct™ Black duct board is a rigid board designed for fabrication into supply and return air HVAC ductwork. Composed of resin bonded glass fibers with a reinforced foil laminate air barrier/vapor retarder facing applied to the outside surface, and a fiber glass textile mat bonded to the air stream surface.

For additional information: Pub. No. 30-34-029

CertainTeed SoftTouch™ Duct Wrap

Blanket type insulation composed of glass fibers bonded together with a thermosetting resin. Unfaced or faced with a foil scrim kraft (FSK) vapor retarder facing. Used to insulate rectangular and round heating, ventilating and air conditioning ductwork.

For additional information: Pub. No. 30-35-013

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