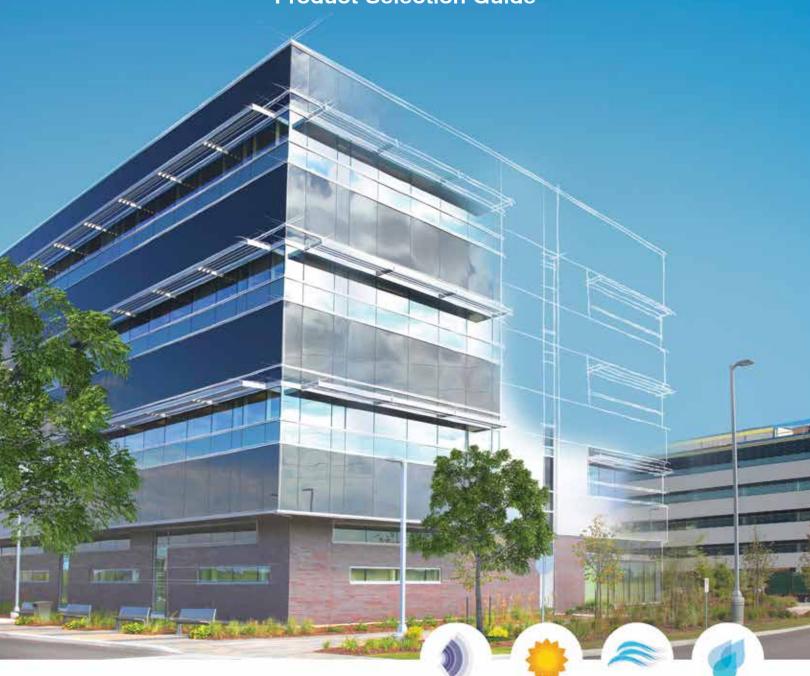
CertainTeed

Commercial Insulation

Product Selection Guide





CertainTeed Insulation Complete Comfort for your customers—and you

CertainTeed knows your business depends on giving your customers the best products and service—so we do the same for you.

We're the building science experts. We help you deliver the combination of thermal performance, air tightness, acoustic performance and moisture management your customers need. Like you, we know that no insulation product or system is right for every part of every building, budget or climate.

That's why we offer the most complete line of insulation products available from a single manufacturer.

Bring us your projects. Bring us your challenges. We've been in this business—and dedicated to your success—for more than 100 years. We're here whenever you need us with the quality products, support and services that help you create the buildings your customers want.



















Thermal Performance

Air Tightness

Moisture Management

Acoustics

Quality—Selection—Service

Products

With the most comprehensive product line in the industry, CertainTeed has everything you need to satisfy even the toughest building codes and customer demands for any new build, retrofit or remodel.

Service

We'll help you select and customize the best insulation system—the best solutions—for your customers. With our Service Advantage, Customer Bill of Rights and unmatched expertise, you can be sure you'll get what you need, when you need it.

Support

We're committed to helping you succeed. We provide prompt, outstanding technical assistance along with a full range of online calculators, marketing tools and other business-building resources.

Sustainability

Like many of your customers, CertainTeed is committed to environmental responsibility. With the market for green buildings booming, we have the products, tools and certifications you need to meet green building standards.

Moisture Managing Fiber Glass Batt Fiber Glass Batt Blow-In Insulation System Hybrid Systems Spray Foam

Comprehensive Solutions Through the Largest Product Offering

Inside this catalog you'll discover how CertainTeed Insulation's unmatched breadth of commercial insulation products gives you the best solution for any location, building, budget and customer.

With fiber glass Sustainable Insulation®, CertaSpray® spray polyurethane foam, smart vapor retarders and air barriers, and multi-product systems, we have what you need to create the most efficient and comfortable building possible.

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 happy to hear from you.

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Heat Flow

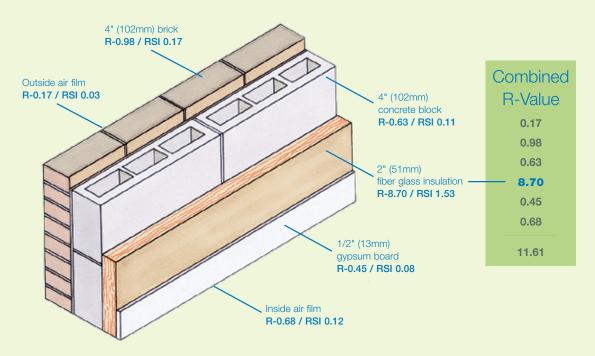
Heat flow is defined as the transfer of energy from one area to another due to a temperature difference between the two areas. Heat always flows from the area that has the higher temperature to the area that has the lower temperature. This heat transfer is accomplished by one or more of the following three methods:

- Conduction—direct transfer between solids and liquids. A good example: When you touch a hot object, the heat energy is transferred directly from the hot object to your skin.
- Convection—by air or other fluid movement. Fluids are heated by conduction at the hot surface and are then transported toward the cooler area where they again transfer energy by conduction to the cooler fluids with which they come in contact.
- Radiation—by electromagnetic waves. Energy in the form of electromagnetic waves leaves the hot surface and travels directly to
 another object, where it is absorbed. The sun warms the earth by radiation heat transfer.

Thermal Resistance and Thermal Transmittance

All materials or constructions resist the flow of heat to some extent. This property is called thermal resistance and is often designated as "R-Value," "R-Factor," or simply as "R." (Thermal resistance is designated as RSI in the metric system.) R-Value is a convenient property to use in commercial building construction because R-Values of materials in a series can be added to determine the thermal resistance of the total construction. The example below shows how the thermal resistance of an insulated masonry wall is determined by adding the individual component R-Values:

Thermal Resistance of an Insulated Masonry Wall





CertainTeed is dedicated to Building Responsibly[™]. This commitment means more than simply producing high performance insulation that helps reduce energy consumption. It also means minimizing the impact of our 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.





Thermal Performance High efficiency fiber glass and spray foam insulation enable you to significantly improve the thermal performance of your customers' buildings. They'll save money on energy bills and enjoy a more comfortable space.



Air Tightness Sealing air leaks and infiltration points creates a tighter building envelope. In addition to reducing drafts and hot and cold spots throughout the building, conditioned air stays inside where it belongs, increasing overall thermal efficiency.



Moisture Management Beyond traditional facings, vapor retarders can help reduce the risk of mold and mildew, improving indoor air quality and providing a healthier environment for occupants. There's also less chance you'll be called back to deal with moisture problems.



ACOUSTICS Adding insulation helps prevent unwanted outside noise from penetrating the space, and—when added to interior walls—limits transmission of noise from room to room.



Class A Fire Rating Fiber glass insulation products are naturally noncombustible compared to other types of insulation. CertainTeed insulation products with this icon have achieved a superior Class A fire rating for commercial construction. See page 20 for more information.









with MoistureSense™ Technology

Intelligent Moisture Management

Moisture is unavoidable. It can get into wall cavities from the outside during hot humid summers and from the inside during cold dry winters. Traditional vapor retarders can trap moisture within the walls, creating a breeding ground for mold, mildew and wood rot. Insulation performance and indoor air quality can suffer and eventually, structural damage becomes a real possibility.

SMARTBATT™ with MoistureSense™ Technology is the first and only insulation that actively helps protect buildings from the damaging effects of moisture. It's a revolutionary way to manage moisture and create a healthier indoor environment for your customers.

How It Works

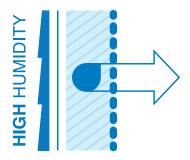
At the core of SMARTBATT is CertainTeed's sustainable fiber glass wool, which has been engineered for superior drying capabilities as well as thermal resistance and noise reduction. The SMARTBATT MoistureSense facing performs as a smart vapor retarder—its permeability adjusts according to the humidity inside the walls. When it's low, SMARTBATT keeps moisture from getting in. When it's high, SMARTBATT lets the moisture inside the walls escape into the conditioned interior of the building, keeping walls dry year-round, all while meeting a Class A fire rating.

SMARTBATT meets or exceeds even the most forward-looking building code requirements for a vapor retarder, and with 66% less asphalt, it's even easier to cut and install than traditional kraft.

R-VALUE	R	13	15	19	21	30	38
N-VALUE	RSI	2.3	2.6	3.3	3.7	5.3	6.7
THICKNESS	in.	3½	3½	6¼	5½	10	12
THICKNESS	mm	89	89	159	140	254	305
WIDTH	in.	15, 15¼, 23	15, 15¼, 23	15, 15¼, 16, 23	15, 15¼, 23	16, 24	16, 24
WIDTH	mm	381, 387, 584	381, 387, 584	381, 387, 406, 584	381, 387, 584	406, 610	406, 610



Blocks moisture from getting in when humidity in the cavity is low



Lets it escape when humidity in the cavity is high

To watch the video, visit: certainteed.com/ howsmartbattworks



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™ 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•m²)
Corrosiveness	ASTM C665	Pass	Pass
Fungi Resistance	ASTM C1338	Pass	Pass
Odor Emission	ASTM C1304	Pass	Pass
Maximum Use Temperature	Maximum Use Temperature ASTM C411		200°F (93°C)

Unfaced Batts*

THERMAL RESISTANCE		THICKNESS		WIDTH		LENGTH	
R	RSI	in.	mm	in.	mm	in.	mm
8	1.4	2 1/2	64	16, 24	406, 610	96	2438
11	1.9	3 1/2	89	16, 24	406, 610	96	2438
11	1.9	3 1/2	89	24	610	48	1219
19	3.3	6 1/4	159	16, 24	406, 610	96	2438
19	3.3	6 1/4	159	24	610	48	1219
30	5.3	10	254	24	610	48	1219

 $^{^{\}star}\text{R-11}$ and R-19 are available in kraft faced tabless batts (24-inch width and 48-inch length).

Kraft Faced Batts

THERMAL THICKNESS		WIDTH	LENGTH	
R RSI	in. mm	in. mm	in. mm	
11 1.94	3 ½ 89	24 610	48 1219	
19 3.35	61 ⁄4 159	24 610	48 1219	







CertaPro® Partition Batts



This unfaced, light-density fiber glass batt's thinner 1-1/2-inch 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)

THEF RESIS	RMAL TANCE	THICK	(NESS	WI	DTH	LEN	IGTH
R	RSI	in.	mm	in.	mm	in.	mm
5.8	1.0	1 1/2	38	24	610	48	1219











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)

	RMAL TANCE	THICK	(NESS	WI	DTH	LEN	IGTH
R	RSI	in.	mm	in.	mm	in.	mm
11	1.9	3 1/2	89	16, 24	406, 610	48, 96	1219, 2438
13	2.3	3 1/2	89	16, 24	406, 610	96	2438
19	3.3	6 1/4	159	16	406	96	2438
19	3.3	6 1/4	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	3 1/2	89	16, 24	406, 610	96	2438
11	1.9	3 1/2	89	24	610	48	1219
13	2.3	3 1/2	89	16	406	96	2438
13	2.3	3 1/2	89	24	610	48	1219
19	3.3	6 1/4	159	16, 24	406, 610	96	2438
19	3.3	6 1/4	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	3 1/2	89	15, 23	381, 584	93	2362
19	3.3	6 1/4	159	15, 23	381, 584	48	1219
19	3.3	6 1/4	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.



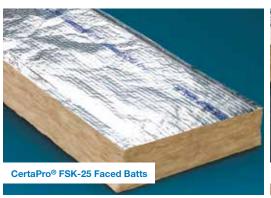
PROPERTIES	TEST METHOD	PERFORMANCE
Thermal Resistance	ASTM C518	See tables below
Combustibility	ASTM E136	Pass/Noncombustible
Surface Burning Characteristics	ASTM E84	≤ 25/50
Water Vapor Sorption	ASTM C1104	≤ 3% by weight
Water Vapor Permeance	ASTM E96	≤ 0.02 perm (1.1 ng/Pa•s•m²)
Corrosiveness	ASTM 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		(NESS	WI	DTH	LENGTH		
R	RSI	in.	mm	in.	mm	in.	mm	
11	1.9	3 1/2	89	16, 24	406, 610	48	1219	
11	1.9	3 1/2	89	16, 24	406, 610	96	2438	
13	2.3	3 1/2	89	16	406	96	2438	
19	3.3	6 1/4	159	16, 24	406, 610	48	1219	
19	3.3	6 1/4	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

	RMAL TANCE	THICK	KNESS	WI	DTH	LEN	IGTH
R	RSI	in.	mm	in.	mm	in.	mm
11	1.9	3 1/2	89	15	381	48	1219
11	1.9	3 1/2	89	15, 23	381, 584	96	2438
19	3.3	6 1/4	159	15, 23	381, 584	48	1219







CertaPro® Thermal Extended Flange Batts 🛕



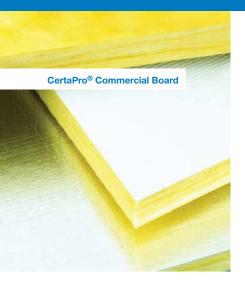
These light-density fiber glass batts with 4-inch flanges are used to add thermal performance below wood deck roof systems found in large retail stores and warehouses, lofts and studios; they also absorb noise and reduce noise transmission. Thermal extended flange batts have a Class A/Class I fire hazard 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)

THEF RESIST	RMAL FANCE	THICK	(NESS	WI	DTH	LENGTH		
R	RSI	in.	mm	in.	mm	in.	mm	
19	3.3	6 1/4	159	23	584	93	2362	
19	3.3	6 1/4	159	23	584	96	2438	
30*	5.3	10	254	24	610	48	1219	

*Available in FSK only.





CertaPro® Commercial 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 fiber glass insulation products, resist mold and mildew and will not rot or deteriorate.

PROPERTIES	TEST METHOD	PERFORMANCE
Operating Limits	ASTM C411	Up to 250°F (faced) or 450°F (unfaced)
Surface Burning Characteristics	ASTM E84 UL 723 NFPA 255	Maximum: Flame Spread Index: 25 Smoke Developed Index: 50
Vibration Resistance	ASTM C1139	Will not crack, split, shrink, or crumble
Moisture Absorption	ASTM C1104	< 5% by weight
Fungi Resistance	ASTM C1338	Pass
Odor Emission	ASTM C1304	Pass
Water Transmission (Facing Only)	ASTM E96, Desiccant Method	.02 Perms
Limited Combustible	NFPA 259	Pass (< 3500 Btu/lb)
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TYPE	THICK	NESS	DE	ENSITY		RMAL TANCE	THERM CONDUC	
_	in.	mm	lb./ft	.3 Kg/m ³	R	RSI	Btu•in./hr.•ft.²•°F²	w/m²∙°C
CB 110	1 1/2	38	1.10	17.57	6.0	1.06	0.25	0.036
	31/2	89	1.10	17.57	14.0	2.47	0.25	0.036
	6	153	1.10	17.57	25.0	4.20	0.25	0.036
CB 150	1 1/2	38	1.50	24	6.0	1.06	0.25	0.036
	2	51	1.50	24	8.0	1.41	0.25	0.036
	2 1/2	64	1.50	24	10.0	1.76	0.25	0.036
	3	76	1.50	24	12.0	2.11	0.25	0.036
	3 1/2	89	1.50	24	14.0	2.47	0.25	0.036
	4	102	1.50	24	16.0	2.82	0.25	0.036
CB 225	1	25	2.25	5 36	4.2	0.73	0.24	0.035
	1 1/2	38	2.25	5 36	6.3	1.10	0.24	0.035
	2	51	2.25	5 36	8.3	1.47	0.24	0.035
	2 1/2	64	2.2	5 36	10.4	1.83	0.24	0.035
	3	76	2.2	5 36	12.5	2.19	0.24	0.035
	3 1/2	89	2.25	5 36	14.6	2.56	0.24	0.035
	4	102	2.2	5 36	16.6	2.91	0.24	0.035
CB 300	1	25	3.00	48	4.3	0.77	0.23	0.033
	1 1/2	38	3.00	48	6.5	1.15	0.23	0.033
	2	51	3.00	48	8.7	1.53	0.23	0.033
	21/2	64	3.00	48	10.9	1.92	0.23	0.033
	3	76	3.00	48	13.0	2.30	0.23	0.033
	3 1/2	89	3.00	48	15.2	2.68	0.23	0.033
	4	102	3.00	48	17.4	3.06	0.23	0.033
CB 600	1	25	6.00	96	4.5	0.80	0.22	0.032
	1 1/2	38	6.00	96	6.8	1.20	0.22	0.032
	2	51	6.00	96	9.1	1.60	0.22	0.032

Acoustic Performance

Solutions for Quieter Spaces

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.

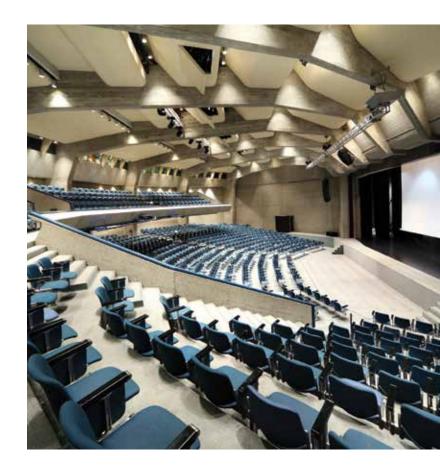
It is incorrect to assume that higher density insulation equates to better sound ratings. Tests have shown that wall assemblies with insulation of the same thickness but varying densities show no significant differences in STC ratings. The conclusion: Insulation thickness is the most important property 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). For full acoustical performance, see the CertainTeed *Mechanical & Industrial Product Selection Guide* (literature code 30-36-081).

Sound Transmission Class (STC)

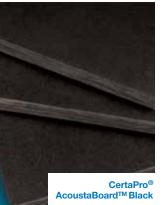
STC is a numerical rating used to express the effectiveness of an entire construction assembly (wall, floor/ceiling, door or window) in resisting the passage of airborne sound. This table shows the relationship between STC and noise control effectiveness.

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 or 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





This rigid fiber glass board is used for applications requiring an exposed black-faced, sound-absorbing insulation. AcoustaBoardTM Black has an abuse-resistant, nonwoven facing that is fully bonded to the insulation; delamination is not an issue. It is widely used to improve acoustics in theaters, sound studios and entertainment facilities—controlling reverberation time, reducing noise levels and eliminating echos—and is ideal for interiors that are meant to be dark. It is lightweight, easy to fabricate and install, and carries a Class A/Class I fire hazard classification of 25/50 for exposed applications.

Acoustical Performance

PRODUCT	THICK	KNESS	ABSORPT	ABSORPTION COEFFICIENTS AT OCTAVE BAND CENTER FREQUENCIES (Hz)									
TYPE	in.	mm	125	250	500	1000	2000	4000	NRC	R	RSI		
225	1	25	0.06	0.30	0.58	0.85	0.91	0.94	0.65	4.3	0.76		
	1 ½	38	0.12	0.48	0.83	0.90	0.90	0.89	0.80	6.5	1.14		
	2	51	0.20	0.72	1.08	1.04	1.01	0.98	0.95	8.7	1.53		
300	1	25	0.05	0.26	0.69	0.89	0.92	0.96	0.70	4.3	0.76		
	1 ½	38	0.10	0.51	0.89	0.95	0.92	0.93	0.80	6.5	1.14		
	2	51	0.17	0.76	1.05	1.02	0.95	0.96	0.95	8.7	1.53		

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



CertaPro® AcoustaBlanket™ Black

CertaPro® AcoustaBlanket™ Black





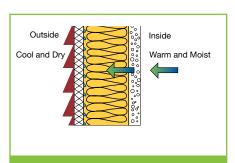
This fiber glass blanket has an abuse-resistant surface and is used for applications requiring black sound-absorbing insulation. AcoustaBlanket™ Black is flexible for easy fabrication and installation on irregular surfaces. It improves acoustics in theaters, sound studios and entertainment facilities—and is ideal for interiors that are meant to be dark. AcoustaBlanket Black carries a Class A/Class I fire hazard classification of 25/50 for exposed applications.

Acoustical Performance

PRODUCT	THICK	NESS	ABSORPT	ION COEFF	ICIENTS AT	OCTAVE BA	AND CENTE	R FREQUE	NCIES (Hz)	R-VA	LUES
TYPE	in.	mm	125	250	500	1000	2000	4000	NRC	R	RSI
150	1	25	0.14	0.29	0.55	0.77	0.94	0.94	0.65	4.0	0.70
	1 ½	38	0.16	0.47	0.77	0.96	1.04	1.00	0.80	6.0	1.06
	2	51	0.23	0.62	1.01	1.04	1.00	1.01	0.90	8.0	1.41
200	1/2	13	0.06	0.15	0.33	0.56	0.76	0.91	0.45	2.0	0.35
	1	25	0.10	0.33	0.65	0.86	0.94	0.96	0.70	4.2	0.74
	1 ½	38	0.16	0.47	0.77	0.96	1.04	1.00	0.80	6.0	1.06
	2	51	0.24	0.57	0.90	0.95	0.95	0.96	0.85	8.0	1.41
300	1/2	13	0.06	0.15	0.33	0.56	0.76	0.91	0.45	2.1	0.37
	1	25	0.10	0.33	0.65	0.86	0.94	0.96	0.70	4.4	0.77
	1 ½	38	0.20	0.46	0.82	0.94	0.95	0.91	0.80	6.3	1.10
	2	51	0.27	0.72	1.04	1.02	0.96	0.92	0.95	8.3	1.47

Moisture Management

Building Science is the key to developing products that can give your customers the Complete Comfort they want, and no one knows Building Science like CertainTeed. Here we present a few of the basics behind the groundbreaking moisture management technologies available only from CertainTeed.



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

Cool and Dry Warm and Moist With a vapor retarder, moisture can't reach cold surface to condense.

Moisture

There's more to improving a building's energy performance than simply adding insulation ... though it's an excellent starting point! Every building is a system made up of separate components—

the building envelope, mechanical systems and occupants—whose interactions affect how much moisture the building generates and how well it manages that moisture. CertainTeed offers innovative products that work with our insulation to provide improved protection against moisture's potentially damaging effects.

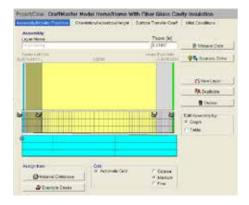
It's unavoidable—but manageable

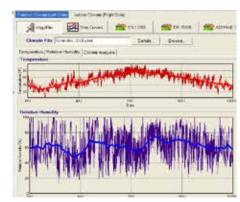
During the heating season, water vapor is drawn from the building's warm interior to the cooler exterior. If its movement into attics and exterior wall cavities is not minimized by a vapor retarder, condensation occurs when the vapor contacts a cold surface. Continued exposure to such damp conditions can compromise insulation performance, damage wood framing and cause mold and mildew to grow.

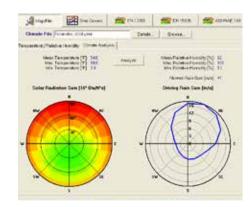
Vapor Retarders

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. CertainTeed MemBrain™ Continuous Air Barrier & Smart Vapor Retarder is an innovative option that actually changes its permeability to water vapor depending on ambient humidity; see page 17 for more information.







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.



CertaSpray®—Closed Cell Spray Foam Insulation



CertainTeed CertaSpray® closed cell spray foam insulation is the exceptional choice in many building applications, especially commercial. In new and existing commercial buildings, CertaSpray foam takes building envelope performance to the extreme by eliminating uncontrolled air leakage and providing a continuous moisture and air barrier.

- Exceptional thermal performance
- Air sealing—vapor and air barrier
- Rigidity adds structural integrity
- Interior or exterior applications

Closed Cell

THERMAL PERFORMANCE									
THICH	(NESS	AGED R-VALUE							
in.	mm	R							
1	25	6.5							
1 ½	38	9.8							
2	51	13							
2 ½	64	17							
3	76	20							
3 ½	89	23							
4	102	27							
4 ½	114	30							
5	127	33							
5 ½	140	37							
6	152	40							
7 ½	191	50							
8 ½	216	56							
10	254	66							
11 ½	292	76							
12	305	80							
-		ACTM CE10 and/or C177							

Tested in accordance with ASTM C518 and/or C177 at 75°F (24°C) mean temperature. Aged 90 days at 140° F.

For more information, visit: certainteed.com/certaspray



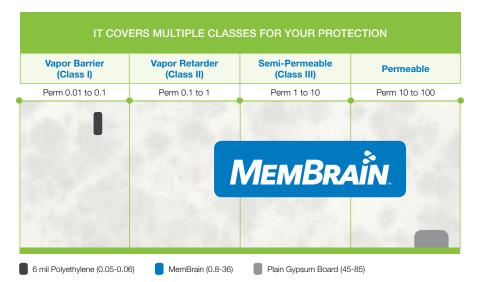


Continuous Air Barrier & Smart Vapor Retarder

CertainTeed's exclusive MemBrain™ Continuous Air Barrier and Smart Vapor Retarder is the industry's most advanced technology to create a better performing building.

This revolutionary solution can provide a continuous air barrier along with advanced moisture management in a single product, helping achieve Complete Comfort. It's another reason why choosing CertainTeed means you're installing much more than trusted high-performance insulation products. You're installing confidence.

Why is MemBrain so smart?



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.

How MemBrain[™] Works



Remains moisture tight in winter when humidity in the cavity is low



Increases permeability in summer to let moisture escape when needed

NOMI PRODUC		NOM WEB V	IINAL WIDTH	ACT WEB V	-	COVE	COVERAGE		BOX LENGTH		BOX LENGTH		LL GHT*	ROLLS PER PALLET		EIGHT 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

To watch the video, visit: certainteed.com/membrain

Performance Data

Acousta Therm Batts 1	COMMERCIAL THERMAL / ACOUSTICAL INSULATION	THICK	KNESS	THEF RESIS			RMAL ICTIVITY		PRODU(BENEFI	CT TS	
29 84 88 1.4 0.31 0.045 39 80 11.0 1.0 0.26 0.065 61 159 19.0 0.3 0.33 0.047 7	AcoustaTherm Batts	in.	mm	R	RSI	k	λ	Thermal Air Barr	Superior ier Moisture	Acoustics	Class A
6 1	7 toddia morm Batto	21/2	64	8.0	1.4	0.31	0.045	Performance			Fire Hating
Partition Batts 19		3 1/2	89	11.0			0.046	**			
Partition Batts 11½ 38				-				154		***	
SMARTBATT 31/4 89 13 2.3 0.027 0.039 31/4 89 15 2.6 0.023 0.054 61/4 190 19 3.3 0.33 0.047 51/4 140 21 3.7 0.26 0.038 12 30.5 38 6.7 0.32 0.046 12 30.5 38 6.7 0.32 0.046 12 30.5 38 6.7 0.32 0.046 12 30.5 38 6.7 0.32 0.046 12 30.5 38 6.7 0.32 0.046 13 2.3 0.23 0.047 14 30 3.3 0.33 0.047 15 40 19 0.32 0.046 16 10 19 0.32 0.046 17 25 30.0 5.3 0.33 0.047 10 25 30.0 50.0 50.0 10 25 30.0 50.0 50.0 10 25 30.0 50.0 50.0 10 25 30.0 50.0 50.0 10 25 3		10	254	30.0	5.3	0.33	0.048				
314 88 159 159 26 26 26 26 26 26 26 2	Partition Batts	1 ½	38	5.8	1.0	0.26	0.037	*		1))	A
314 88 16 26 26 26 26 26 26 26	SMARTBATT						0.039				
Sylin 140		3 1/2	89	15	2.6	.023	0.034			-	
10								***			A
Thermal Kraft Faced Batts											
Thermal Foil Faced Batts				 							
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Thermal Foil Faced Batts	Thermal Kraft Faced Batts			-							
31/4 89											
6 1/4 159 159 3.3 0.33 0.047	Thermal Foil Faced Batts			-						-	
Thermal FSK-25 Faced Batts 10 254 30.0 5.3 0.33 0.048 130 2.3 0.27 0.039 6				-							
Thermal FSK-25 Faced Batts				-							
State	The seal FOIX OF Feet A Date										
Thermal Extended Flange Batts 6 1 159 19.0 3.3 0.33 0.047 10 254 30.0 5.3 0.33 0.047 10 254 30.0 5.3 0.33 0.048 CertaPro Board—Type CB 150 11 25 43 0.0 1.1 0.25 0.036 2 511 8.0 1.4 0.25 0.036 3 76 12.0 2.1 0.25 0.036 3 76 12.0 2.1 0.25 0.036 4 100 1.8 0.25 0.036 11 25 0.035 0.036 2 11 25 0.036 0.025 0.036 3 76 12.0 2.1 0.25 0.036 3 76 12.0 2.1 0.25 0.036 11 25 0.036 0.035 0.048 CertaPro Board—Type CB 225 11 25 4.2 0.8 1.2 0.24 0.035 11 25 18.3 1.5 0.24 0.035 11 25 18.3 1.5 0.24 0.035 11 25 18.3 1.5 0.24 0.035 11 25 18.3 1.5 0.24 0.035 11 25 18.3 1.5 0.24 0.035 11 25 18.3 1.5 0.24 0.035 11 25 18.7 1.5 0.23 0.033 11 25 18.7 1.5 0.23 0.033 11 25 18.7 1.5 0.23 0.033 13 3 89 14.6 2.7 0.24 0.035 11 25 18.7 1.5 0.23 0.033 13 3 89 14.6 2.7 0.24 0.035 11 25 18.7 1.5 0.23 0.033 13 3 76 13.0 2.3 0.23 0.033 13 3 76 13.0 2.3 0.23 0.033 13 3 89 15.2 2.7 0.23 0.033 13 4 89 15.2 2.7 0.23 0.033 13 4 89 15.2 2.7 0.23 0.033 13 5 89 15.2 2.7 0.23 0.033 14 100 17.4 3.1 0.23 0.033 15 18 18 18 18 18 18 18 18 18 18 18 18 18	Thermal FSK-25 Faced Batts			-				_004_		40	4
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35. 115-p-15.y 3.0000 35	CertaSpray Closed Cell	see	og.16	see p	og.16	0.16	0.023				

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.

PROPUST	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
PRODUCT	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS
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 110				•						
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	•	•								
SMARTBATT— Kraft Faced							•			

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 at 75°F (24°C)
- Type II, maximum use temperature of 450°F (232°C), k-Value not greater than 0.31 at 75°F (24°C)
- Type III, maximum use temperature of 450°F (232°C), k-Value not greater than 0.26 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)
- Type IB. 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
- · 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 certainteed.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 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).

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			
C or III	76-200	0-450			



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.

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).

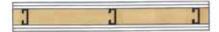
Fire Resistance

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.

ire 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 21/2" steel studs on 24" centers 21/2" CertainTeed fiber glass insulation



Rating: 2 hour non-bearing (U 411)

Double layer 5/8" CertainTeed gypsum board Min. 21/2" steel studs on 24" centers 21/2" CertainTeed fiber glass insulation



Rating: 1 hour non-bearing (U 419)

Single layer 5/8" CertainTeed gypsum board Min. 31/2" steel studs on 24" centers 31/2" CertainTeed fiber glass insulation



Rating: 2 hour non-bearing (U 419)

Double layer 1/2" CertainTeed gypsum board 35/8" steel studs on 24" centers 31/2" CertainTeed fiber glass insulation



Rating: 1 hour non-bearing (U 465 or U 419)

Single layer 5/8" CertainTeed gypsum board 35/8" steel studs on 24" centers 31/2" CertainTeed fiber glass insulation



Rating 1 hour non-bearing (U 465)

Single layer 5/8" CertainTeed gypsum board 35/8" steel studs on 24" centers 31/2" CertainTeed fiber glass insulation



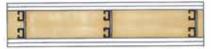
Rating: 1 hour non-bearing (U 419)

Single layer 5/8" CertainTeed gypsum board Min. 31/2" steel studs on 24" centers 31/2" CertainTeed fiber glass insulation



Rating: 2 hour non-bearing (U 411 or U 419)

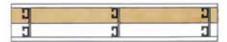
Double layer 5/8" CertainTeed gypsum board 35/8" steel studs on 24" centers 31/2" CertainTeed fiber glass insulation



Rating: 2 hour non-bearing (U 436)

Chase wall: Double layer 5/8" CertainTeed gypsum board

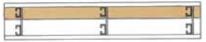
15/8" steel studs on 24" centers CertainTeed fiber glass insulation to fill cavity



Rating: 1 hour non-bearing (U 420)

Chase wall: Single layer 5/8" CertainTeed gypsum board

15/8" steel studs on 24" centers 31/2" CertainTeed fiber glass insulation



Rating: 2 hour non-bearing (U 420)

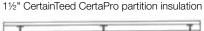
Chase wall: Double layer 5/8" CertainTeed gypsum board

 $1\ensuremath{\mbox{\$}}\ensuremath{\mbox{\$}}\ensuremath{\mbox{\$}}$ steel studs on 24" centers 21/2" 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 21/2" steel I studs on 24" centers



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

21/2" steel I studs on 24" centers 11/2" 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 21/2" steel I studs on 24" centers

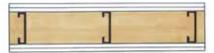
11/2" CertainTeed CertaPro partition insulation



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 61/4" 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 61/4" 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 31/2" 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 31/2" 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 31/2" CertainTeed fiber glass insulation

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

More Products

CertainTeed Metal Building Insulation



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

For additional information: Pub. No. 30-27-016

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

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 Duct Liner



Acoustical and thermal insulation used for lining sheet metal ducts in HVAC systems. Air stream surface is overlaid with a durable black, fire-resistant composite facing. ToughGard T base mat is manufactured with textile and rotary fibers bonded with a thermosetting resin system.

For additional information: Pub. No. 30-33-019

ToughGard® R Duct Liner



Acoustical and thermal insulation used for lining sheet metal ducts in HVAC systems. The air stream surface is overlaid with a durable black, fire-resistant composite facing. ToughGard R base mat is manufactured with rotary spun fibers bonded with a plant-based sustainable binder system.

For additional information: Pub. No. 30-33-011

CrimpWrap™ Crimped Pipe and Tank Wrap



Flexible blanket of selectively 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, tanks and equipment.

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

Basement 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 insulation will be left exposed.

For additional information: Pub. No. 30-45-052

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

Sustainable SoftTouch™ Duct Wrap



Blanket type insulation composed of glass fibers bonded together with a plant-based sustainable binder. Unfaced or faced with a foil scrim kraft (FSK) vapor retarder facing. Used to insulate rectangular and round heating, ventilating and air conditioning ductwork. Available in standard and wide widths.

For additional information: Pub. No. 30-35-016

CertainTeed Ceilings and Wall Panels



- Decoustics
- Adagio™
- Ecophon®
- FocusTM
- AquaRock™
- Envirogard™
- Gyptone[®]
- Baroque™
- Cashmere®
- Open Plan™
- Sand Micro™
- Symphony®
- Suspension Systems

For additional information: Call CertainTeed Ceilings at 1-877-258-7845 website: www.certainteed.com/products/ceilings

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Insulation











