

CertaPRO® Fiberglass Insulation Batts

CertaPro® Fiberglass Insulation batts are designed to enhance acoustical and thermal performance in exterior and interior walls, and improve sound transmission loss over suspended ceilings. They are available unfaced or with kraft facing. The product is regionally available under Sustainable Insulation™ and Insulpure® Building Insulation product lines.

Features & Benefits

This product improves acoustical properties in partition or exterior walls, contributing to a quieter interior environment. It also provides excellent thermal performance, thus saving energy. The lightweight product is easy to cut and install and will not settle. The product resists mold and mildew and will not rot or deteriorate.

Composition & Materials

The product is composed of uniformly textured, inorganic fiberglass and formed with a formaldehyde-free, thermosetting binder.

Sizes

Available standard sizes are listed in the table on other side. Contact CertainTeed for other sizes and minimum order quantities.

Limitations

National Electrical Code prohibits installation of any insulation over or within 3" (76 mm) of recessed light fixtures, unless approved insulated ceiling (IC) lighting fixtures are used.

The kraft facing is flammable and should not be left exposed. It must be installed behind and in substantial contact with the unexposed surface of the ceiling, floor or wall finish. Special care should be taken when working with an open flame. Because of potential skin irritation, unfaced insulation should not be installed in an exposed area where it will be subject to human contact. Insulation should be kept clean and dry at all times.

Installation

The following installation recommendations are general in nature. Other methods are acceptable. Please consult your contractor for recommendations best suited to specific applications.

Walls – CertaPro Fiberglass Insulation Batts are designed to fill the entire stud cavity and be held in place by friction. For applications where the wall is not finished on both sides or insulation does not fill the cavity, supplementary support of the insulation such as wire or insulation pins should be provided to hold the insulation in place.

Suspended Ceiling Systems – Install with the facing down toward the occupied area. When placing CertaPro Fiberglass Insulation Batts over suspended ceilings panels, refer to the suspended ceiling manufacturer's recommendations to ensure proper installation. Kraft facings are combustible; do not use in exposed applications. Check local code requirements.

Quality Assurance

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

APPLICABLE STANDARDS, CODE COMPLIANCE

Model Building Codes:

- ICC
- California Quality Standards, Reg. No. CA-T024 (PA)

Material Standards:

- ASTM C553 Type I (unfaced)
- ASTM C665 Type I (unfaced)
- ASTM C665 Type II, Class C, Category I (kraft-faced)
- GREENGUARD Gold Certification
- Health Product Declaration (HPD)
- Environmental Product Declaration (EPD)

FIRE RESISTANCE

Surface Burning Characteristics:

- ASTM E84 (unfaced only)
Max. Flame Spread Index: 25
Max Smoke Developed Index: 50

- Kraft faced insulation is not rated

Noncombustible:

- Complies with ASTM E136 (unfaced only)

PHYSICAL/CHEMICAL PROPERTIES

PROPERTY (UNIT)	TEST	VALUE
Thermal Performance:	ASTM C177 or C518	See tables on other side
Maximum Use Temperature:	ASTM C411	450°F (232°C) (unfaced) 200°F (93°C) (kraft-faced)
Water Vapor Sorption:	ASTM C1104	< 3% by weight
Water Vapor Permeance: (kraft facing)	ASTM E96, Desiccant Method	<1.0 perm (57 ng/Pa·s·m²) Class II vapor retarder
Corrosiveness:	ASTM C665	Pass
Fungi Resistance:	ASTM C1338	Pass
Odor Emission:	ASTM C1304	Pass



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Acoustical Properties

Insulation does not have an STC rating (Sound Transmission Class) by itself but contributes to an STC rating when installed in a wall or ceiling assembly. The chart below lists some of the more common tested assemblies. For more assembly ratings, consult our Commercial Insulation Product Overview.

AVAILABLE SIZES FOR UNFACED BATTS							
R-VALUE		THICKNESS		WIDTH		LENGTH	
R	RSI	IN.	MM.	IN.	MM.	FT.	MM.
8	1.41	2-1/2	64	16 & 24	406 & 610	96	2438
11	1.94	3-1/2	89	16 & 24	406 & 610	96	2438
11	1.94	3-1/2	89	24	610	48	1219
19	3.35	6-1/4	159	16 & 24	406 & 610	96	2438
19	3.35	6-1/4	159	24	610	48	1219
30	5.28	10	254	24	610	48	1219

AVAILABLE SIZES FOR KRAFT FACED BATTS							
R-VALUE		THICKNESS		WIDTH		LENGTH	
R	RSI	IN.	MM.	IN.	MM.	FT.	MM.
11	1.94	3-1/2	89	16 & 24	406 & 610	96	2438
19	3.35	6-1/4	159	16 & 24	406 & 610	96	2438

STC RATINGS FOR WALL ASSEMBLIES (ALL 24" O.C.)			
STEEL STUD SIZE	INSULATION	DRYWALL CONFIGURATIONS	STC
2-1/2	2-1/2	Single 1/2" layer each side	45
		Single 5/8" layer each side	44
		Double 1/2" layer one side Single 1/2" layer other side	51
		Double 1/2" layer each side	55
3-5/8	3-1/2	Single 1/2" layer each side	48
		Single 5/8" layer each side	50
		Double 1/2" layer one side Single 1/2" layer other side	51
		Double 1/2" layer each side	55

TECHNICAL SERVICES

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

MAINTENANCE

No maintenance required.

AVAILABILITY & COST

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

WARRANTY

Refer to CertainTeed's Limited Warranty for Commercial Insulation. Full warranty information can be found at [certainteed.com/warranty](https://www.certainteed.com/warranty).



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