

CertainTeed

Specification Sheet

CERTAPRO™ AcoustaTherm™ Batts

1. PRODUCT NAME

CertainTeed CERTAPRO™
AcoustaTherm™ Batts

2. MANUFACTURER

CertainTeed Corporation
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Valley Forge, PA 19482-0105
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3. PRODUCT DESCRIPTION

Basic Use: CertaPro AcoustaTherm Batts are designed to enhance acoustical and thermal performance in exterior and interior walls, and improve sound transmission loss over suspended ceilings.

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, install and will not settle or sag. The product resists bacteria, fungal growth and will not rot or deteriorate.

Composition and Materials: This product is made from inorganic glass fibers bonded with a thermoset resin to form a uniformly textured, yellow blanket insulation. AcoustaTherm Batts are available unfaced and faced with a kraft vapor retarder which does not have stapling flanges.

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 installation where it will be subject to human contact. Insulation should be kept clean and dry at all times.

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

4. TECHNICAL DATA

Applicable Standards:

- Model Building Codes:
 - (ICC)
 - NY City MEA 18-80-M (unfaced)
 - California Quality Standards, Reg. No. CA-T024 (PA)
 - City of LA, RR 8148 (unfaced)
- Material Standards:
 - (ASTM C 553) Type I (unfaced)
 - (ASTM C 665) Type I (unfaced)
 - (ASTM C 665) Type II, Class C, Category I (kraft-faced)
- GREENGUARD Certification Standards:
 - Low Emitting Products for the



- Indoor Environment
 - Product Emission Standard for Children and Schools

Fire Resistance:

- Surface Burning Characteristics:
 - (ASTM E 84) (unfaced only)
 - Max. Flame Spread Index; 25
 - Max Smoke Developed Index; 50
 - Kraft-faced insulation is not rated
- Noncombustible:
 - Complies with (ASTM E 136) (unfaced only)

AVAILABLE SIZES – UNFACED BATTS							
R-Value		Thickness		Width		Length	
R	RSI	in.	mm	in.	mm	in.	mm
8	1.41	2½	64	16 & 24	406 & 610	96	2438
11	1.94	3½	89	16 & 24	406 & 610	96	2438
11	1.94	3½	89	24	610	48	1219
19	3.35	6¼	159	16 & 24	406 & 610	96	2438
19	3.35	6¼	159	24	610	48	1219
30	5.28	10	254	24	610	48	1219

AVAILABLE SIZES – KRAFT-FACED NO TAB BATTS							
R-Value		Thickness		Width		Length	
R	RSI	in.	mm	in.	mm	in.	mm
11	1.94	3½	89	24	610	48	1219
19	3.35	6¼	159	24	610	48	1219

Physical/Chemical Properties:

- Thermal Performance:
 - (ASTM C 177 or C 518)
 - See the tables on front page.
- Maximum Use Temperature:
 - Temperature: (ASTM C 411)
 - 450°F (232°C) (unfaced)
 - 200°F (93°C) (kraft-faced)
- Water Vapor Sorption:
 - (ASTM C 1104)
 - ≤ 3% by weight
- Water Vapor Permeance: (kraft-facing) (ASTM E 96, Desiccant Method)
 - ≤ 1.0 perm (57 ng/Pa•s• m²)
- Corrosiveness:
 - (ASTM C 665) Pass
- Fungi Resistance:
 - (ASTM C 1338) Pass
- Odor Emission:
 - (ASTM C 1304) Pass

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 (30-25-056).

Quality Assurance:

CertainTeed was the first fiber glass insulation manufacturer to have its

manufacturing plants, R&D center and corporate headquarters registered to ISO 9000 standards.

5. 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 AcoustaTherm 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 shall be provided to hold the insulation in place.

Suspended Ceiling Systems – Install with the facing down toward the occupied area. When placing CertaPro AcoustaTherm 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.

6. AVAILABILITY AND COST

Manufactured and sold throughout the

United States. For availability and cost, contact your local contractor, distributor or call CertainTeed Sales Support Group in Valley Forge, PA at (800) 233-8990.

7. WARRANTY

Inasmuch as CertainTeed has no control over the installation design, installation workmanship, accessory materials, or conditions of application, CertainTeed does not warrant the performance or results of any installation containing its products.

8. MAINTENANCE

No maintenance required.

9. TECHNICAL SERVICES

Technical assistance can be obtained either from the local CertainTeed sales representative, or by calling CertainTeed Sales Support Group in Valley Forge, PA (800) 233-8990.

10. FILING SYSTEMS

- Sweet's Catalog File 07210/ CET
- Additional product information is available upon request.

STC RATINGS FOR WALL ASSEMBLIES (ALL 24" O.C.)

Steel Stud Size	Insulation	Drywall Configuration	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	51
		Double 1/2" layer one side, Single 1/2" layer other side	52
		Double 1/2" layer each side	55



ASK ABOUT OUR OTHER CERTAINTEED PRODUCTS AND SYSTEMS:

EXTERIOR: ROOFING • SIDING • WINDOWS • FENCE • RAILING • TRIM • DECKING • FOUNDATIONS • PIPE
 INTERIOR: INSULATION • GYPSUM • CEILINGS

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