

# CertaPRO™ AcoustaTherm™ Batts

## 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. They are available unfaced or with kraft facing.

**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. The product resists bacteria, fungal growth and will not rot or deteriorate.

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

**Sizes:** Available standard sizes are listed in 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 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.

## AVAILABILITY AND COST

Manufactured and sold throughout the United States. For availability and cost, contact your local contractor, distributor or call CertainTeed at (800) 233-8990.

## 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.



<b>Product Name</b>	CertaPro™ AcoustaTherm™ Batts
<b>Manufacturer</b>	CertainTeed Corporation
<b>Address</b>	P.O. Box 860 Valley Forge, PA 19482-0105
<b>Phone</b>	610-341-7000 • 800-233-8990
<b>Fax</b>	610-341-7571
<b>Website</b>	<a href="http://www.certainteed.com/insulation">www.certainteed.com/insulation</a>

## 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)

### Physical/Chemical Properties

- Thermal Performance:
  - ASTM C 177 or C 518  
See the tables on back page.
- Maximum Use Temperature:
  - Temperature: ASTM C 411  
450°F (232°C) (unfaced)  
200°F (93°C) (kraft-faced)

**MAINTENANCE**

No maintenance required.

**TECHNICAL SERVICES**

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

**AVAILABLE SIZES FOR UNFACED BATTS**

R-Value		Thickness		Width		Length	
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
19	3.35	6 1/4	159	24	610	48	1219

**AVAILABLE SIZES FOR KRAFT FACED NO TAB BATTS**

R-Value		Thickness		Width		Length	
R	RSI	in.	mm	in.	mm	in.	mm
11	1.94	3 1/2	89	24	610	48	1219
19	3.35	6 1/4	159	24	610	48	1219

**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	51
		Double 1/2" layer one side Single 1/2" layer other side	52
		Double 1/2" layer each side	55

**Physical/Chemical Properties (cont.)**

- 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•m<sup>2</sup>)
- 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'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.



**ASK ABOUT OUR OTHER CERTAINTEED PRODUCTS AND SYSTEMS:**

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

CertainTeed Corporation  
 P.O. Box 860  
 Valley Forge, PA 19482

Professional: 800-233-8990  
 Consumer: 800-782-8777  
[www.certainteed.com/insulation](http://www.certainteed.com/insulation)

