

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 and install and will not settle. The product resists mold and mildew 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 should 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

For availability and cost, contact your local contractor or distributor, or call CertainTeed Sales Support Group 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.



| | |
|---------------------|--|
| Product Name | CertaPro™ AcoustaTherm™ Batts |
| Manufacturer | CertainTeed Corporation |
| Address | P.O. Box 860 Valley Forge, PA 19482-0105 |
| Phone | 610-341-7000 • 800-233-8990 |
| Fax | 610-341-7571 |
| Website | www.certainteed.com/insulation |

TECHNICAL DATA

Applicable Standards

- Model Building Codes:
 - ICC
 - California Quality Standards, Reg. No. CA-T024 (PA)
 - City of LA, RR 8148 (unfaced)
- Material Standards:
 - ASTM C553 Type I (unfaced)
 - ASTM C665 Type I (unfaced)
 - ASTM C665 Type II, Class C, Category I (Kraft-faced)
- GREENGUARD® Children & Schools Certified

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

- Thermal Performance:
 - ASTM C177 or C518
 - See tables on other side
- Maximum Use Temperature:
 - Temperature: ASTM C411
 - 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 | 3 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 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

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 at left 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.



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