

NoiseReducer™ Sound Attenuation and Acoustical Ceiling Batts

PRODUCT DESCRIPTION

Basic Use: These products are designed for use in commercial and residential wall and ceiling assemblies to effectively reduce transmission of airborne sound and provide thermal insulation.

Benefits: They provide excellent acoustical performance to help reduce sound transmission between adjoining rooms. These lightweight, flexible products are easy to handle and fabricate on the job site and conform to irregular surfaces. 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. Sound Attenuation Batts are available unfaced for friction fit installation between studs or Kraft faced for easy positive attachment to interior wood stud framing. Acoustical Ceiling Batts are available unfaced and Kraft faced (without stapling tabs) for installation on suspended ceilings.

Limitations: The 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.

Standard Kraft facing is flammable and should not be left exposed. Kraft faced insulation 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. Where a flame spread rating of 25 is required, insulation must be unfaced or have flame-resistant foil facing (FSK-25).

Because of potential skin irritation, unfaced building insulation should not be installed in an exposed application where it will be subject to human contact.

All building insulation should be kept dry. Wet fiber glass insulation will lose its effectiveness until it dries. Fiber glass will often dry naturally and regain its original R-Value. However, under conditions where the insulation will not dry thoroughly, it should be removed and replaced.

Sizes: Available standard sizes are listed in table on other side. Contact CertainTeed for non-standard sizes.

INSTALLATION

For most areas, vapor retarders should be installed on the warm-in-winter side of the insulation (toward the interior). Check local practice and/or building codes. CertainTeed insulation is not intended to be installed with the facing placed toward the exterior of the building.

Requirements for installation:

- Unfaced Sound Attenuation Batts – Friction fit between steel studs. (Supplementary support may be required for floor/ceiling installations.)
- Acoustical Ceiling Batts – Lay faced or unfaced batts directly on suspended ceilings. (Check with ceiling panel manufacturer for weight limitations.)
- Interior Wall (white) Kraft Faced Batts – Staple flanges to either the faces or sides of studs or joists using enough staples to prevent gaps. Do not leave the facing exposed; see limitations above.

Product Name	NoiseReducer™ Sound Attenuation and Acoustical Ceiling 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 and Minnesota Quality Standards
- Material Standards:
 - ASTM C553, Type I, II
 - ASTM C665, Type I, unfaced
 - ASTM C665, Type II, Class C, Category 1, Kraft Faced
- GREENGUARD® Children & Schools Certified

Fire Resistance

- Fire Hazard Classification:
 - ASTM E84
 - Unfaced insulation:
 - Max. Flame Spread Index: 25
 - Max Smoke Developed Index: 50
 - Kraft faced insulation: Not rated for flame spread/smoke developed
- Noncombustibility: ASTM E136
- Unfaced insulation / Pass

Physical/Chemical Properties

- Thermal Performance:
 - ASTM C 518 / R-Values for insulation only, as stated in table on other side.
- Water Vapor Sorption:
 - ASTM C1104 / ≤ 5%
- Water Vapor Permeance:
 - Permeance of Kraft Facing: ASTM E96, Desiccant method
 - ≤ 1.0 perm (57 ng/Pa•s•m²)
 - Class II vapor retarder

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.

AVAILABILITY AND 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 Lifetime Limited Warranty for Fiber Glass Building Insulation (30-21-1321).

MAINTENANCE

No maintenance required.

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 at 800-233-8990.

SOUND ATTENUATION BATTS

AVAILABLE SIZES						
R-Value		Thickness		Width		Facing
R	RSI	in.	mm	in.	mm	
8	1.4	2½	64	16	406	Unfaced
8	1.4	2½	64	24	610	Unfaced
11	1.9	3½	89	16	406	Unfaced
11	1.9	3½	89	24	610	Unfaced
11	1.9	3½	89	24	610	Kraft (no tabs)
11	1.9	3½	89	15	381	Kraft
11	1.9	3½	89	23	584	Kraft
11	1.9	3½	89	24	610	Unfaced
19	3.3	6¼	159	24	610	Unfaced
19	3.3	6¼	159	24	610	Kraft (no tabs)



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