

QUIET BATT™ Acoustic – Thermal Insulation

DESCRIPTION:

QUIET BATT™ is a premium high-performance acoustic /thermal insulation manufactured from 80% recycled cotton fibers. QUIET BATT™ offers superior acoustical and thermal insulation ratings for wall assemblies, attics, drop ceilings and between-floor applications. QUIET BATT™ is non-toxic and requires no warning labels or special protective gear for installation. The cotton-fiber content does not create any worker discomfort or skin irritation such as fiberglass and mineral fiber based products. QUIET BATT™ does not contain formaldehyde and qualifies as a sustainable building product that is LEED eligible.

APPLICATIONS:

QUIET BATT™ acoustical / thermal insulation products are designed for interior /exterior wall, ceiling and attic applications. The user-friendly materials are easy to install with minimal tools required. Measuring a full 16 / 24 in. widths, QUIET BATT™ installs with a tight friction fit between wood or metal studs to minimize sound and thermal transmission. It is recommended to utilize insulation supports for use between floor joists and ceiling applications. For exterior wall applications, a 4-6 mil thick vapor barrier sheeting may be required.

PRODUCT AVAILABILITY:

- 16 in. R-13 Batting (Part #: QBIR13X16X32BOX)
- 24 in. R-13 Batting (Part #: QBIR13X24X24BOX)
- 16 in. R-19 Batting (Part #: QBIR19X16X32BOX)
- 24 in. R-19 Batting (Part #: QBIR19X24X24BOX)

TECHNICAL DATA:

CHARACTERISTICS

Physical Properties	Value	Test Standard
Color	Natural	n/a
Thickness	Approx. 3 ½" to 5 ½"	n/a
Thermal Resistance	R 13 and R 19	ASTM C 518
Corrosion Resistance	Meets	ASTM C 739 (Sec 9)
Odor Emission	Meets	ASTM C 665 (Sec 13.7)
Fungi Resistance	Meets	ASTM C 665 (Sec 13.9)
Water Vapor Sorption	Less than 10%	ASTM C 1104

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RANDOM SOUND ABSORPTION / NOISE REDUCTION

Freq. Hz	125	250	500	1000	2000	4000	NRC
R 13	0.39	0.86	0.99	0.92	0.96	1.01	0.95
R 19	0.60	1.08	1.02	0.96	1.02	1.01	1.00

THERMAL DATA

Width	Length	R-Value
16 in.	32 ft.	13
24 in.	24 ft.	13
16 in.	32 ft.	19
24 in.	24 ft.	19

The information contained herein is typical and based upon the results of controlled laboratory tests. The information is accurate to the best of American Micro Industries, Inc.'s knowledge. Product performance may vary based on the particular application and installation techniques utilized.



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