

Product Name

16 oz. Acoustiblok® Sound Isolation Material

For Manufacturer Info:

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Product Description

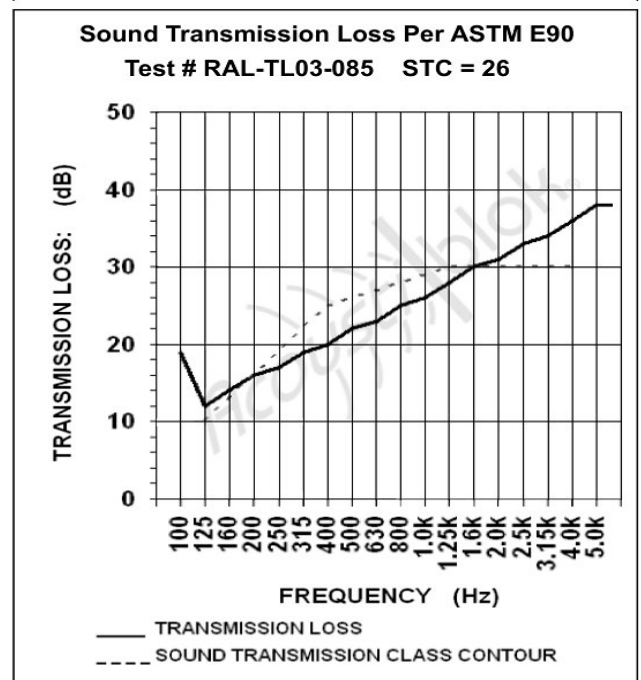
Basic Use

Acoustiblok offers high performance sound reduction solutions for multifamily projects, condominiums, hotel, hospitals, construction sites, industrial areas and other project where privacy and sound control are important.

Acoustiblok Sound Isolation Material

Acoustiblok is a heavy, yet very flexible viscoelastic polymer material that provides sound reduction through a unique adiabatic process. Rather than attempting to block or absorb sound, Acoustiblok transforms sound energy into inaudible friction energy as the material flexes from sound waves.

A 1/8th inch thick layer of Acoustiblok in a single stud wall assembly can provide more sound reduction than a foot of poured concrete.



Sound Transmission Loss Results

Benefits:

- Effectively reduces interior sound
- Over 300 UL Classifications
- Easy to install
- Resistant to UV, dirt and water
- Resistant to corrosion, mold and mildew

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Sound Transmission Class (STC)

Sound Transmission Class (STC) is a single number that represents the sound blocking capacity of a partition such as a wall or ceiling.

STC numbers are often called out in architectural specifications, to assure that partitions will reduce noise levels adequately. For performance similar to laboratory test numbers, it is necessary to adhere closely to the construction materials and techniques used in the tested partition.

STC is calculated by comparing the actual sound loss measured when 18 test frequencies pass through a partition, with fixed values for each STC level. The highest STC curve that the measured sound loss numbers fit under, determines the STC rating of the partition.

STC calculations emphasize sound frequencies that match the human voice. A high STC partition will block the sound of human speech and block noise that interferes with human speech. To estimate high and low frequency performance, consult the Sound Transmission Loss graph included in STC test reports. Impact Insulation Class (IIC) measure

transmitted impact noise and are specified for floor-ceiling assemblies only.

Acoustiblok is the most efficient and cost effective solution for controlling transmitted sound in commercial, industrial and residential construction. A standard metal stud & gypsum board wall with only one layer of 16 oz. Acoustiblok (STC 53) blocks more sound than a 12" thick poured concrete wall (STC 51).

UL Classified for application in wall and floor/ceiling construction in the U300, U400, V400 and L500 categories (277 designs). Acoustiblok assures compliance with life safety and building code requirements.

Acoustiblok sound barrier material can be cut easily with a box knife and requires no special tools or skills to install.

Acoustical test reports for numerous wall and floor/ceiling designs are available from Acoustiblok on request. All our test data is taken directly from independent 3rd party laboratories under NVLAP certification.

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Physical Properties

- Barium free
- Minimum STC 26 per ASTM E90-02 & ASTM E413-87
- Minimum sound attenuation 19 dBA @ 100Hz
- Width 54" ± 0.125" (1.372 Meters ± 3.175 mm)
- Color black
- High UV resistance
- Heat tolerance: 200°F (93°C) for 7 days, less than 1% shrinkage with no deformation.
- Freezes at -40°F (-40°C). Do not unroll or flex frozen material. Properties not affected by freeze/thaw cycles.
- No fungal or algal growth and no visible disfigurement, per ASTM D3273 and ASTM D3274 (rating=10)
- Tensile strength min. 510 PSI
- UL Classified, file #R21490
- Weight 1 lb. square foot (4.89 kg square meter)
- Weight per roll:
 - 30' (9.14m) = 150 lb. (68kg)
 - 60' (18.29m) = 300 lb. (136kg)
 - 350' (106.68m) = 1600 lb. (725.75kg)



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