



www.quietflex.com

# Acoustic Baffles and Banners

## Product Specifications and Key Features

QuietFlex® Acoustic Baffles are an effective and economical solution for noise control problems, providing excellent sound absorption. These baffles absorb reflected noise off of ceilings, walls and floors. Typically suspended from the ceiling, they can also be used on walls.

QuietFlex® Acoustic Banners also provide excellent sound absorption. These banners offer an effective and economical solution for applications requiring significant amounts of sound absorption.

### Applications

- **Gymnasiums**
- **Churches**
- **Auditoriums/Theatres**
- **Arenas/Stadiums**
- **Manufacturing Plants**
- **Machine Enclosures**
- **Water Treatment Plants**
- **Hospitals**
- **Animal Hospitals/Kennels**
- **Swimming Pools**
- **Convention Centers**
- **Fitness Centers**
- **Ice Rinks**
- **Schools/Universities**
- **Gun Ranges**
- **Restaurants**
- **Airports**

### Features

- **Great Sound Absorption**
- **Economical**
- **Lightweight**
- **Class A Flammability Rating per ASTM E 84**
- **Size can be Custom Made to Specifications**



## Product Specifications

- 2.0lb/ft<sup>3</sup> fiberglass core
- Heat sealed, acoustically transparent, flame retardant polyethylene bag
- Nominal Thickness: 2"
- Standard Colors: White, Black, Gray
- Custom colors available upon request

### Sizes

BAFFLES	BANNERS
Standard Size: 2'x4' (Custom lengths available up to 40')	Standard Size: 4'x10' (Custom lengths available up to 40')
Comes with 2 aluminum grommets on the 4' side	Grommet quantity and locations must be specified based on size and application

### Sound Absorption

#### Sabins/Baffle

(ASTM C 423-02a, Type A and H Mounting)

1/3 OCTAVE BAND CENTER FREQUENCIES (Hz)							
	125	250	500	1000	2000	4000	5000
Type A Mounting	4.8	5.6	8.9	7.8	5.8	4.4	4.6
Type H Mounting	6.2	6.9	11.2	15.5	11.8	9.9	9.1

### Reverberation Time Reductions (Seconds)

FREQUENCIES (Hz)							
	125	250	500	1000	2000	4000	5000
Reverberation Time Reduction Type A (seconds)	0.6	1.6	2.9	1.9	1.0	0.4	0.2
Reverberation Time Reduction Type H (seconds)	0.4	1.1	2.1	1.9	1.1	0.4	0.2

### Sound Absorption

#### NRC Values, Absorption Coefficients (Sabins/ft<sup>2</sup>)

(ASTM C 423-02a, Type A and H Mounting)

1/3 OCTAVE BAND CENTER FREQUENCIES (Hz)							
	125	250	500	1000	2000	4000	NRC
Type A Mounting	0.60	0.70	1.11	0.98	0.72	0.55	0.90
Type H Mounting	0.39	0.43	0.70	0.97	0.74	0.62	0.70

### WARNING!!!

Textile glass fibers are used to manufacture this fiberglass insulation product. Handling, installing, or removing the product may result in some fiberglass contact. Users of this product are therefore advised to wear appropriate personal protective equipment to help prevent skin, eye, or respiratory irritation. Gloves, eye protection, and long sleeved, loose fitting clothing are recommended when installing or otherwise handling the product. Avoid breathing fiberglass dust and avoid contact with skin or eyes. A NIOSH approved (N95 or higher) disposable dust mask or reusable particulate respirator properly fitted is recommended whenever the product is handled. Respiratory protection is mandatory when the dust levels in the workplace exceed OSHA permissible exposure limits or if worker irritation occurs. Work clothes should be washed separately and the washer rinsed after use.

#### FIRST AID MEASURES

If dust gets into eyes, flush eyes with water to remove the fiber dust. If symptoms persist seek medical attention. Fibers can be removed by washing the skin with soap and warm water after handling this product. Further product safety information is available from your employer. The Material Safety Data Sheet is available from your distributor, directly from QuietFlex, or on the QuietFlex website [www.quietflex.com](http://www.quietflex.com).

The physical and chemical properties of QuietFlex Acoustic Baffles and Banners represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. The data is supplied as a technical service and is subject to change without notice. Check with QuietFlex Manufacturing Company L.P. to obtain current information.



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