www.acousticsonic.com

Product Description

Sonic Baffles

Ceiling Baffles are the solution for any large space that has reverberation problems. Baffles can be arranged to create various architectural affects with various colors, sizes and models. Installation of Baffles in rows 24” to 36” apart over an entire reverberant area can result in an optimum acoustical environment. The work consists of furnishing all labor, materials, accessories and equipment necessary to cover all areas shown on the drawings and specified.

Our Hanging Acoustic Baffles are ideal for areas where reverberation from hard surface is an issue, designed to improve sound quality and to provide a decorative look within a room. Sonic Baffles are highly aesthetic and popularly customized. They offer an elegant and economical sound absorption solution. They are ideal for spaces with high reverberation time

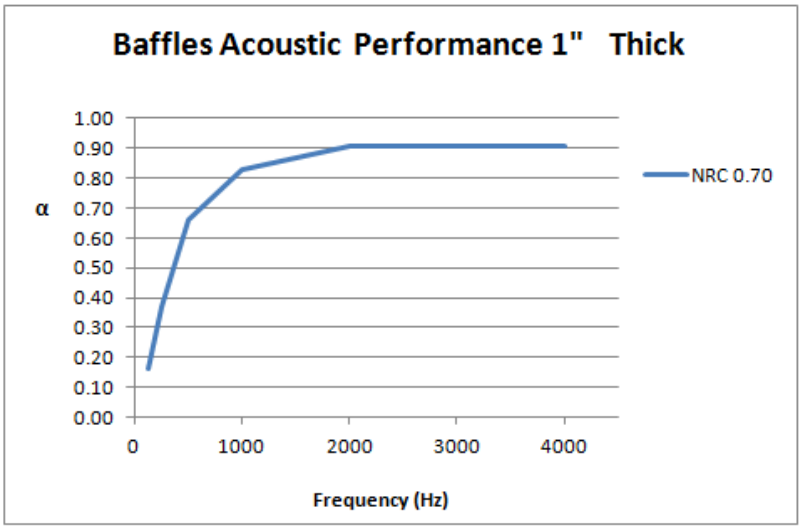
Fabric Colors *(Fabric Guilford of Maine FR*)
We have more than 100 colors to choice

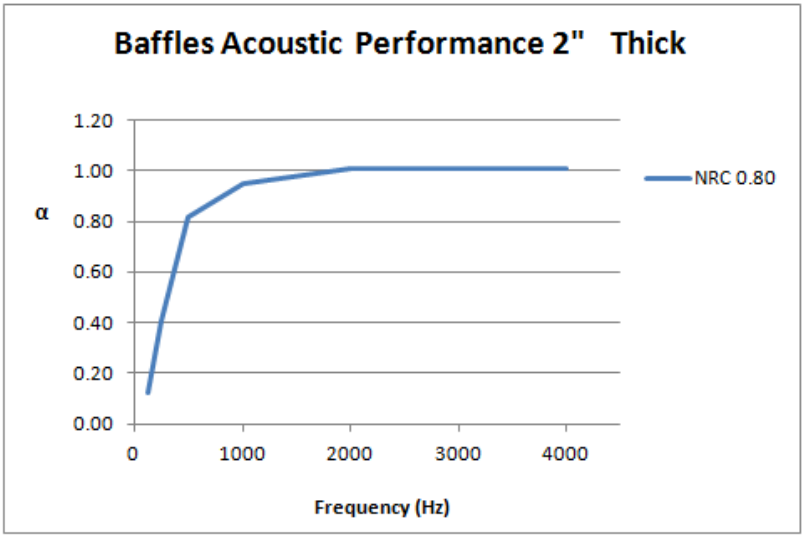
Acoustical Performance

N.R.C. Sabins per Baffle

Baffles Acoustic Performance 1" Noise Reduction Coefficient 0.70	
Absorption Coeff. (α)	Frequency (Hz)
0.16	125
0.37	250
0.66	500
0.83	1000
0.91	2000
0.91	4000
0.70	**NRC**

Baffles Acoustic Performance 2" Noise Reduction Coefficient 0.80	
Absorption Coeff. (α)	Frequency (Hz)
0.12	125
0.41	250
0.82	500
0.95	1000
1.01	2000
1.01	4000
0.80	**NRC**

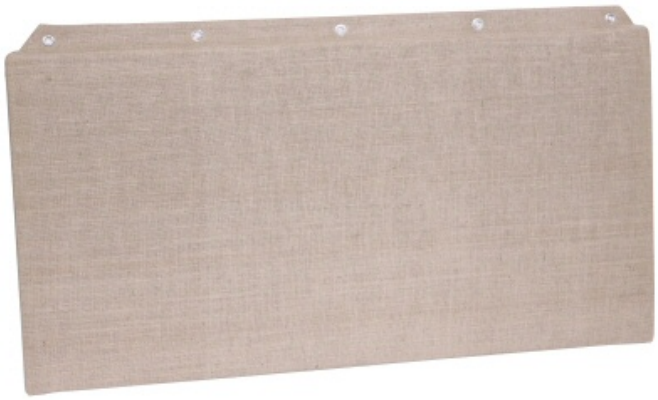




Technical Properties

Manufacturing:

Components of a standard baffle:



Nominal Overall Dimensions

Core: #1.5 Fiberglass
Thickness: 1.2”
Sizes: 2’, 4’, 6´, or custom. (Max 4’ x 8’)
Width: 24”, 48”, or custom.
Edges: Natural
Geometry: Rectangular

Weight

Nominal core Density: 5-10 lbs

Fire Resistance

Incombustibility: The product is Class “A” as per ASTM E84 25/0/50. The baffles that we use provide very good fire resistant properties. Showing a flame spread of 25 or less as per ASTM E 84 by UL Flame Spread: 25 (class A). Smoke developed: 450 or less, smoke developed: 50.

Cleaning and Maintenance

The baffles are designed for long term use in building environments with minimal maintenance. However, they can be vacuum cleaned as per costumer desire; additionally any marks may be cleaned with a damp cloth/ wipe.

Installation

Suspension Provision:

Baffles hang from ceilings from galvanized chains, fastened to the ceiling, all Baffles are factory equipped with eyelets. Grommets: Standard nickel plated, stainless steel grommets available for highly corrosive environments, and brass.

Location:
Sonic Baffles can be placed and spaced as detailed on reflected ceiling plans and/ or detailed on the interior elevation drawings.

Attachment Method:
Plastic tie, coated wire tire, or stainless steel tie.

Projects

Baffles are most effective in gymnasiums, warehouses, and open offices. But they are not limited to just these areas; baffles can be installed in Radio Studios, Recording Studios, Schools, Offices, Warehouses, Hotels, Houses of Worship, or any other facility with the need of noise control.

Shopping

Factories

Schools