

AlphaSorb® R100 Rigid Acoustic Baffle



Description

AlphaSorb® Rigid Acoustic Baffles provide a decorative ceiling acoustic treatment that is distinctly designed for your environment. They are ideal for large spaces that need a stylish and high performing solution for reverberation and echo.

Functionally, our acoustic baffles provide excellent acoustic performance and lasting durability, making them ideal for most interior spaces. Our hanging baffles are easily installed with few components, a Class A fire rating, and exceptional sound absorption.

Each of our fabric wrapped acoustic baffles is custom-made in your choice of size, finish and color. They can be made 1" or 2" thick in any size up to 4' x 10'. They come standard Guilford of Maine's FR701 fabric. Other designer fabrics are available upon request.

Benefits

- Reduces echo and reverberation
- Improves speech intelligibility
- Exceptional acoustical performance
- Economical
- Easy to maintain

Uses and Applications

- Convention Centers
- Lobbies
- Restaurants
- Schools

Technical Characteristics

Size:	24" x 48" Call for custom sizes up to 48" x 120"
Thickness:	2" (call for 1" options)
Density:	6-7 lb./cu. ft. rigid fiberglass core with chemically hardened edges
Finish:	Guilford of Maine FR701 Fabric (call for other fabrics)
Colors:	See FR701 Color Chart
Fire Rating:	Class 1 or A per ASTM E84

Sound Absorbing Performance

Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	Rating
1" (Sabins)	1.95	6.8	13.2	17.0	17.4	17.2	13.6
2" (Sabins)	2.85	7.25	13.7	18.1	18.0	16.9	14.3
2" (NRC)	0.22	0.81	1.24	1.30	1.21	1.16	1.15

Revised: 2025-04-30