

ALPHASORB[®] RIGID ACOUSTIC BAFFLE DATA SHEET



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.

TECHNICAL CHARACTERISTICS

SIZE: 24" x 48"; call us for custom sizes up to 48" x 120"

THICKNESS: 2" (call for 1" options)

MATERIALS: 6-7 PCF rigid fiberglass core with chemically hardened edges

FINISH: Guilford of Maine FR701 fabric; call for other fabrics

COLORS: See FR701 color chart

FIRE RESISTANCE: Class A per ASTM E 84

BENEFITS

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

USES AND APPLICATIONS

- Convention Centers
- Lobbies
- Restaurants
- Schools

SOUND ABSORBING PERFORMANCE (ASTM C 423-90A)

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

