

ALPHASORB[®] RIGID ACOUSTIC BAFFLE SPECIFICATIONS

SECTION 09 80 00 (09800) - ACOUSTICAL CEILING BAFFLES

This Section is based on ACOUSTICAL SOLUTIONS AlphaSorb[®] Rigid Acoustic Baffles.

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes:

1. AlphaSorb[®] Rigid Acoustic Baffles

1.2 SUBMITTALS

- A. Shop Drawings: Show fabrication and installation details for ceiling baffles, including plans, elevations, sections, details and attachment to other work.
- B. Submittals: Furnish 8 1/2" x 11" samples, showing manufacture full range of colors, texture and patterns available for each type of acoustical baffle specified.
- C. Qualification Data: For firms specified in "Quality Assurance" Article to demonstrate their capabilities and experience.
- D. Product Certificates: Signed by manufacturer certifying that the products furnished comply with requirements

1.3 QUALITY ASSURANCE

A. Performance Requirements

1. Manufacturer Qualification: Manufacture shall have a minimum of 5 years experience in production of specified products and shall furnish supporting documentation showing completed jobs of approximately the same size and scope.
2. Fire Test Reports: Provide ceiling baffles with the following surface- burning characteristics as per ASTM E-84.
3. Acoustical Test Report: Provide acoustical test report from a qualified testing agency indicating ceiling baffles meets specified NRC values per C423-90a.



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1.4 DELIVERY, STORAGE, AND HANDLING

- A. Protect Ceiling baffles from excessive moisture when shipping, storing, and handling. Deliver in unopened skids and store in a dry place with adequate air circulation. Do not delivery material until all wet-work has been completed.

PART 2 - PRODUCTS

2.1 CEILING BAFFLES, GENERAL

- A. Ceiling baffles shall be 2" thick – 6 lb. per cubic foot density fiberglass. Manufactures standard baffle construction, wrapped edges, baffle manufactures standard full line of fabric

1. Products

- a. Model # R-100
Acoustical Solutions
3017 Vernon Rd.
Henrico, VA 23228
Ph: (800) 782-5742
Fax: (804) 346-8808
Web: acousticalsolutions.com

- 2. Facing Material: Guilford of Maine (standard)
- 3. Baffle Thickness: nominal 2" thick
- 4. NRC Value: 1.15
- 5. Baffle Width: 48 inches
- 6. Baffle Length: As indicated, up to 10 feet long. (standard 2'x4')

2.2 CONSTRUCTION

- A. AlphaSorb[®] Rigid Acoustic Baffle product shall be supplied in 48" wide baffles with lengths as indicated. All edges will be wrapped and all baffles come with mounting brackets.



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2.3 MOUNTING

- A. Manufactures standard accessories for securely mounting baffles, of type and size indicated and complying with the following requirements:
1. Brackets shall be installed to facilitate mounting on either the short edge or long edge of the baffle, as indicated on the drawing.

2.4 ACOUSTICAL PERFORMANCE

Sound Absorption: Per ASTM C – 423

Sound Absorption Coefficient per Octave Band Center Frequency (Hz)

125	250	500	1000	2000	4000	NRC
0.22	0.81	1.24	1.30	1.21	1.16	1.15

2.5 FLAMMABILITY RATING

- A. Guilford facing material shall have a Class A Flammability rating per CPAI-84: Substrate/core shall have a Class A Flammability rating per ASTM E-84.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install Ceiling baffles in locations indicated, top edges level and in alignment with other baffles. Comply with manufactures written instructions for installation of baffles using type of mounting accessories indicated or, if not indicated, as recommended by manufacture.

3.2 CLEANING

- A. After completion of installation of baffles, remove dust and other foreign material according to manufactures written instructions.
- B. Remove surplus material, rubbish, and debris resulting from baffle installation, on completion of the work, and leave areas of installation in a neat and clean condition.

END OF SECTION

