

SECTION 095110

ACOUSTIC FELT CEILING BAFFLES

Specifier Note: This Section is written as a manufacturer's guide specification (an architectural standard) for editing into a project manual. It follows the CSI three-part SectionFormat and PageFormat. Text in brackets [] indicates a choice or value to be selected or inserted by the design professional; delete brackets and unused options. Blank lines [] indicate project-specific data to be supplied. Coordinate this Section with Division 01, with the Drawings, and with related Sections before issue. Renumber to a project-specific number (for example, 09 54 13) if required by the project manual.

PART 1 - GENERAL

1.1 DESCRIPTION OF WORK

- A. Work Included: Provide labor, materials and equipment necessary to complete the work of this Section including the following.
 - 1. Single-Ply or 3-Ply Hollow Core Classic Ceiling Baffles
 - 2. Fuse Classic Ceiling Baffles
 - 3. Fuselage Classic Ceiling Baffles
 - 4. UAP Classic Ceiling Baffles
- B. Related Work: The following items are not included in this Section and are specified under the designated Sections:
 - 1. Section 098400 – Acoustic Room Components - Clouds.
 - 2. Section 102200 – Acoustic Room Dividers.
 - 3. Division 26 Sections for light fixtures installed in or coordinated with the ceiling.
 - 4. Division 23 Sections for air outlets and inlets installed in the ceiling.
 - 5. Division 21 Sections for fire-suppression piping and sprinklers penetrating the ceiling.

1.2 SUBMITTALS

- A. Product Data: Submit for each product indicating materials, dimensions, profiles, textures and colors. Include installation instructions.
- B. Shop Drawings: Submit shop drawings indicating layout, details of construction and relationship with adjacent construction.
- C. Samples for Initial Selection
- D. Verification Samples: Submit representative sample of product specified. Manufacturer's color charts showing the full range of standard PET felt colors (refer to the manufacturer's current color offering at airspaceacoustics.com/colors), with information on custom color and custom print capability.
 - 1. Custom color or custom print samples where custom finishes are specified.

1.3 QUALITY ASSURANCE

- A. Manufacturer: Minimum of 2 years manufacturing similar products.
- B. Installer: Minimum of 2 years installing similar products.
- C. Single-Source: Provide acoustical components and installation components by a single

manufacturer.

- D. Coordination of Work: Coordinate acoustical products with related elements including, but not limited to lighting fixtures, mechanical and electrical systems, and sprinklers.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
- B. Handling: Comply with manufacturer's recommendations for storage and handling. Handle products to prevent crushing, creasing, soiling, and edge damage.
- C. Storage: Store materials flat, indoors, in a fully enclosed, dry, and conditioned space, protected from moisture, soiling, direct sunlight, and physical damage.

1.5 FIELD CONDITIONS

- A. Environmental Limitations: Do not install acoustic products until spaces are enclosed and weatherproof, wet-work in spaces is complete and dry, work above the ceiling is complete, and ambient conditions are maintained at the values planned for building occupants.
- B. Acclimatize acoustic products in the installation areas for not less than 48 hours before installation.

1.6 WARRANTY

- A. Warranty: Provide manufacturer's standard limited warranty against defects in manufacturing.

PART 2 - PRODUCTS

2.1 MAUFACTURER

- A. Accepted Manufacturer: Air[]Space Acoustics
1. Phone: 423.287.6551
 2. Email: info@airspaceacoustics.com
 3. Web Address: www.airspaceacoustics.com/

2.2 ACOUSTIC FELT CEILING BAFFLES

- A. Basis-of-Design: Air[]Space Acoustics, 423.287.6551, www.airspaceacoustics.com
- B. Style: SINGLE-PLY OR 3-PLY HOLLOW CORE CLASSIC Felt Ceiling Baffles by Air[]Space Acoustics.
1. Material: [Single-Ply] [3-Ply Hollow Core] PET felt, 100% polyester fiber, 60% recycled content.
 2. Profile: [Aileron] [Wind] [Sound Wave Series A][Sound Wave Series B] [Stealth] [Custom]
 3. Baffle Height: [11 inches] [12 inches] [16 inches] [Insert Dimensions].
 4. Length: [47 inches] [95 inches] [Insert Dimensions].
 5. Thickness: [9mm (3/8")] [12mm (1/2")] [24mm (1")]
 6. Spacing: [12 inches] [As indicated on the Drawings].
 7. Felt Color: [As selected from manufacturer's standard colors] [Insert Color]
 8. Absorption: 0.7-1.0+ NRC.
 9. Fire Rating: ASTM E84 Class A.
 10. VOC: ASTM D5116 compliant.
 11. Mounting Hardware: [Mechanical Fastener (Eyehook - Screw)] [Adjustable Clips] [Aircraft Cables] [Wire Lock Pin] as recommended by manufacturer.
- C. Style: FUSE CLASSIC Felt Ceiling Baffles by Air[]Space Acoustics.
1. Material: PET felt, 100% polyester fiber, 60% recycled content.
 2. Material Thickness: [9mm] [12mm] [24mm].
 3. Size: [2" W x 5" H] [3" W x 6" H].
 4. Length: [48 inches] [72 inches] [96 inches] [108 inches] [Insert Dimensions].
 5. Spacing: [6 inches] [As indicated on the Drawings].
 6. Felt Color: [As selected from manufacturer's standard colors] [Insert Color]
 7. Absorption: 1.25 NRC.
 8. Fire Rating: ASTM E84 Class A.
 9. VOC: ASTM D5116 compliant.
 10. Mounting Hardware: [Magnets] [Adjustable Clips] [Cable Grippers] [as recommended by manufacturer].
- D. Style: FUSELAGE CLASSIC Felt Box Beam Ceiling Baffles by Air[]Space Acoustics.
1. Material: PET felt, 100% polyester fiber, 60% recycled content.
 2. Material Thickness & Width: [9mm] [12mm] [24mm] Thick & [1 1/2"] [2" W] [3"] Wide.
 3. Height: [5 inches] [6 inches] [8 inches] [12 inches].
 4. Length: [48 inches] [72 inches] [96 inches] [108 inches] [Insert Dimensions].
 5. Spacing: [6 inches] [As indicated on the Drawings].
 6. Felt Color: [As selected from manufacturer's standard colors] [Insert Color]
 7. Absorption: 1.25 NRC.
 8. Fire Rating: ASTM E84 Class A.
 9. VOC: ASTM D5116 compliant.
 10. Mounting Hardware: [Magnets] [Adjustable Clips] [Cable Grippers] [as recommended by manufacturer].

E. Style: UAP CLASSIC Felt Ceiling Baffles by Air[]Space Acoustics.

1. Material: Folded 2-Layer PET felt, 100% polyester fiber, 60% recycled content.
2. Baffle Height: [22.75 inches] [Insert Dimensions].
3. Length: [47 inches] [95 inches] [Insert Dimensions].
4. Spacing: [12 inches] [As indicated on the Drawings].
5. Felt Color: [As selected from manufacturer's standard colors] [Insert Color]
6. Absorption: 1.0 NRC.
7. Fire Rating: ASTM E84 Class A.
8. VOC: ASTM D5116 compliant.
9. Mounting Hardware: [Mechanical Fastener (Eyehook - Screw)] [Adjustable Clips] [Aircraft Cables] [Wire Lock Pin] [as recommended by manufacturer.]

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine areas and conditions, with the Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- B. Verify that the suspension system is installed complete, level within the tolerances of ASTM C636/C636M, and securely anchored.
- C. Verify that work above the ceiling - including mechanical, electrical, and fire-suppression work - is complete and tested.
- D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Clean substrates and attachment points of dirt, oils, and other substances that could cause issues during installation.

3.3 INSTALLATION

- A. Install units in accordance with manufacturer's instructions, approved submittals, and in proper relationship with the layout shown on the approved Shop Drawings and with ceiling-mounted items.
- B. Handle tiles with clean, dry hands or gloves to avoid soiling the felt.

3.4 ADJUSTING AND CLEANING

- A. Inspect and adjust units for proper position and uniform appearance.
- B. Clean exposed and semi-exposed surfaces using materials acceptable to manufacturer.
- C. Replace baffles that are damaged or that cannot be cleaned to match adjacent tiles.

3.5 PROTECTION

- A. Protect installed ceiling tiles from damage, soiling, and moisture until the date of Substantial Completion.

END OF SECTION