

*(Attention Specifiers, all areas in **red** require you to make selection based on requirements of the project before issuing specification. Please refer to the appropriate product data page when making your selection. All data pages are available at <https://acousticalsolutions.com/>)*

SECTION 095113 – ACOUSTITHERM ACOUSTICAL PANEL CEILINGS

PART 1 – GENERAL

1.1 SUMMARY

- A. Sound-absorbing ceiling tiles with non-perforated vinyl facing.

1.2 REFERENCES

- A. American Society for Testing and Materials (ASTM):
 - 1. ASTM C423 – Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.
 - 2. ASTM E84 – Standard Test Method for Surface Burning Characteristics of Building Materials.

1.3 SYSTEM DESCRIPTION

- A. Performance Requirements:
 - 1. Surface Burning Characteristics (ASTM E84):
 - a. Flame spread: 25 maximum.
 - b. Smoke Developed: 450 maximum.
 - c. Fire ratings for all fabric covered panels is based on testing of the panel wrapped with the standard in stock fabric, Guilford of Maine, FR 701 Style 2100.

1.4 SUBMITTALS

- A. General: Submit listed submittals in accordance with Conditions of the Contract and Division 1 Submittal Procedures Section.
- B. Product Data: Submit product data sheet, for specified products.
- C. Shop Drawings: Submit shop drawings showing layout, edge profiles and panel components, including anchorage, accessories, finish colors and textures.
- D. Samples: Submit selection and verification samples of finishes, colors, and textures.
- E. Test Reports: Certified test reports showing compliance with specified performance requirements.
 - 1. Standard Systems: Submit certified copies of previous test reports substantiating performance of system in lieu of retesting.

1.5 QUALITY ASSURANCE

Note to Specifier: Paragraph below should list obligations for compliance with specific code requirements particular to this section. General statements to comply with a specific code are typically addressed in Conditions of the Contract and Division 1 Regulatory Requirements Section. Repetitive statements should be avoided.

- A. Regulatory Requirements and Approvals: [Specify applicable requirements of regulatory agencies].
 - 1. [Code agency name].
 - a. [Report or approval number].

1.6 DELIVERY, STORAGE, AND HANDLING

- A. General: Comply with Division 1 Product Requirements Section.
- B. Delivery: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
- C. Storage and Protection: Store this product in unopened cartons in a clean, cool, dry interior space. Cartons and product must be protected against marring, water, dirt or damage during delivery and storage.

1.7 PROJECT CONDITIONS

- A. Environmental Requirements: Do not install panels until wet work, such as concrete and plastering, is complete; the building is enclosed; and the temperature and relative humidity are stabilized at 60 - 80 degrees F (16 - 27 degrees C) and 35% MINIMUM RH and 55% MAXIMUM RH, respectively.

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PART 2 – PRODUCTS

2.1 SOUND-ABSORBING CEILING TILES

- A. Manufacturer: Acoustical Solutions, LLC
 - 1. Contact: 2420 Grenoble Road, Richmond, VA 23294; Telephone: (800) 782-5742.
E-mail: info@acousticalsolutions.com; Web site: acousticalsolutions.com.
 - 2. Substitutions: No substitutions permitted.

2.2 CEILING PANELS, GENERAL

- A. AcoustiTherm Ceiling Tiles:
 - 1. Geometric Shape: [Square] [Rectangular]
 - 2. Core: 2-3 lb. High Density Fiberglass
 - 3. Thickness: 3"
 - 4. Size: [2'x2' (nominal)] [2'x4' (nominal)]
 - 5. Facing: Stardust Elite non-perforated vinyl
 - 6. Color: [White] [Black].
 - 7. Edge Shape: Natural/Square.

B. Sound Absorption (ASTM C423) - Noise Reduction Coefficient as follows: 1.05

PART 3 EXECUTION

3.01 MANUFACTURER'S INSTRUCTIONS

- A. Compliance: Comply with manufacturer's product data, including product technical bulletins, product catalog installation instructions and product carton instructions for installation.

3.02 EXAMINATION

- A. Site Verification of Conditions: Verify that substrate conditions, which have been previously installed under other sections, are acceptable for product installation in accordance with manufacturer's instructions.
 - 1. Baffles shall be located and spaced as detailed on reflected ceiling plans and/or detailed on the interior elevation drawings and as indicated on room finish schedule.
 - 2. Do not install baffles until unsatisfactory conditions are corrected.

3.03 CLEANING

- A. Follow manufacturer's instructions for cleaning panels soiled during installation. Replace panels that cannot be cleaned to as new condition.
- B. Keep site free from accumulation of waste and debris.

END OF SECTION