

Section 095426

Wood Veneer Ceiling Tiles

Micro Perforated

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

Drawings and general conditions of the Contract, including General and Supplementary Conditions and Division 1 Specification sections apply to the work of this section.

1.2 SUMMARY

A. Section Includes:

1. Wood veneer ceiling tiles or planks and installation components.

B. Related Sections

1. Section 01350 Special Environmental Requirements
2. Section 095300 – Acoustical Ceiling Suspension Systems
3. Section 095100 – Acoustical Ceilings
4. Section 092116 – Gypsum Board Assemblies
5. Division 21 – Fire Suppression
6. Division 23 – Mechanical Diffusers, vents and other mechanical items
7. Division 26 – Electrical lights and other ceiling mounted electrical items

C. Alternates

1. Prior Approval: Proposed product substitutions may be submitted to the Architect no later than ten (10) working days prior to bid date. Substitutions will only be considered if submitted with complete product information, including acoustical data, and an 18” x 18” sample. Acceptance of substituted products is contingent on the Architect’s approval and substituted product’s compliance with all specified requirements of this section. Approved products will be set forth by Addenda to all bidders.

1.3 REFERENCES

A. Test Methods:

1. ASTM C 423 Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.

2. ASTM E 84 Standard Test Method for Surface Burning Characteristics of Building Materials
3. ASTM C 635 – Standard Specification for Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings
4. ASTM C 636 – Recommended Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings.
5. ASTM E 1264 – Classification for Acoustical Ceiling Products

1.4 SUBMITTALS

- A. Comply with Section 013300 – Submittal Procedures
- B. Product Data: Manufacturer’s technical data and installation instructions for each type of ceiling tile required.
- C. Certifications: Certified test reports showing compliance with performance requirements specified.
- D. Samples: Submit three (3) full size samples of each panel type and veneer type required.
- E. Shop drawings: Submit shop drawings, including details, for all ceilings. Coordinate ceiling tile layout, installation and suspension system components with construction elements that penetrate tile ceilings or are supported by them. Show overall layout with dimensions and details for penetrations and intersections with other materials or building components.

1.5 QUALITY ASSURANCE

- A. Single Source Responsibility: Provide wood veneer ceiling tiles or plank from a single manufacturer.
- B. Fire Performance Characteristics: Class A as tested by an independent accredited testing facility. Tests: ASTM E84. Flame spread: 25 or less. Smoke developed: 450 or less.
- C. Applicable LEED Credits:
 1. MR 4.1, 4.2 Recycled Content
 2. MR 6 Rapidly Renewable Materials
 3. EQ 4.4 Low-Emitting Materials
 4. MR 5.1 Use of Regional Materials (dependent on project location)
 5. MR 7 Use of FSC material
- D. Coordination of Work: Installing contractor shall organize and conduct a pre-installation humidity and other construction elements attaching, penetrating or concealed above wood veneer ceiling tiles.
- E. Wood veneer ceiling tiles or plank to be manufactured from no less than 75 percent recycled, postindustrial material by weight.

1.6 DELIVERY, STORAGE AND HANDLING

- A. Store products in a clean, cool dry place out of direct sunlight.
- B. Store products in a space where the ambient temperature and humidity conditions are being maintained at the levels indicated for the project when occupied for its intended use.
- C. Handle products carefully to avoid chipping edges or damage.

1.7 PROJECT CONDITIONS

- A. Do not install wood veneer ceiling tiles or plank until space is enclosed and weather proofed, wet work is completely dry, work above ceilings is complete and ambient temperature and humidity conditions are maintained at the levels indicated for the project when occupied for its intended use.
- B. Permit tiles to reach room temperature 50 to 86 degrees F and stabilized moisture content of 25% to 55% RH for at least 72 hours before installation per AWI standards.

1.8 WARRANTY

- A. Provide manufacturer's written product warranty per Section 01770 – Closeout Procedures

1.9 MAINTENANCE

- A. Extra Materials
 - 1. Deliver no less than (3 percent) (5 percent) (1 carton) of each type, color and pattern of material.
 - 2. Extra materials shall be from the same production run as the original materials.
 - 3. Extra materials shall remain in the manufacturer's original unopened packaging and given to the building owner upon substantial completion of the work.

PART 2 – PRODUCTS

2.1 MANUFACTURER

- A. Acoustigreen Inc., 123 Columbia Court N, Chaska, MN 55318. Phone: 888-258-4637. Fax: 952-448-2613. Website: www.acoustigreen.com

2.2 WOOD VENEER CEILING TILE

- A. Product: Acoustigreen Micro-Perforated Organtex Tiles as manufactured by Acoustigreen Company.
1. Surface texture: Smooth, perforated wood veneer.
 2. Core: Manufacturer's standard 100% recycled wood fiber.
 3. Edge banding: To match veneer species and color.
 4. Finish: Manufacturer's standard 100% water-borne, low VOC (less than .3 lbs. per gallon) UV cured finish with UV blockers. Manufacturer's standard stain or custom match Architect's sample.
 5. Veneer: (Natural Cherry) (Tinted Cherry) (European Steamed Beech) (Maple) (Natural Bamboo) (Caramel Bamboo) (Plastic Laminate) (Foil) (Custom to match Architect's sample)
 5. Thickness: 3/4 inch total thickness.
 6. Micro Perforations: (Perforation: 0.0354 inch, .9mm)
 7. Size: (Nominal 24 inch by 24 inch) (Nominal 24 inch by 48 inch) (Custom size up to 48" by 48")
 8. Edge: (Square)
 9. Suspension: Lift and Twist mounting hardware
 10. Flame resistance: Class A per ASTM E84.
 11. Recycle content: Post industrial materials minimum 75% by weight.
 12. Noise Reduction Coefficient (NRC): (E or A mount: .5 NRC) (Use of FS non-woven baker: .6 NRC) (Use of fiberglass or foam backer: .7 or above NRC)
- C. Suspension System: (Section 095300 – Acoustical Ceiling Suspension Assemblies) or (insert acoustical tile ceiling tile suspension system specification)
Note: Heavy Duty 15/16 inch grid is recommended.

PART 3 – EXECUTION

3.1 EXAMINATION

- A. Inspect installation area and conditions under which work is to be performed for compliance with all manufacturers' environmental requirements. All wet work in the installation area must be complete, cured and dry prior to installation. Work above shall be complete, inspected and accepted before ceiling installation work begins. Do not proceed until all unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Comply with manufacturer's instruction and recommendations for installation of ceiling tiles and industry standards.
- B. Coordinate the exact size, location and sequencing of penetrations of ceiling tiles by all building components.
- C. Lay out ceiling pattern per approved shop drawings. Where not otherwise indicated, lay out tile so margins on opposite sides of rooms are equal or greater than ½ tile width.
- D. Where ceilings of different heights abut, install acoustical material matching ceiling at vertical surface of ceiling break match ceiling.
- E. Suspension System: (Section 095300 – Acoustical Ceiling Suspension Assemblies) or (insert acoustical tile ceiling tile suspension system specification)

3.3 ADJUSTING AND CLEANING

- A. Clean soiled surfaces of ceiling tiles per manufacturer's instructions.
- B. Remove and replace damaged or discolored material and material that cannot be properly cleaned.
- C. Adjust tiles after installation so that surfaces are aligned, flush and level with gaps between units consistent in width and straight.

END OF SECTION