

## Section 095426 Fusion Wood Ceiling Tiles

### I. General

#### 1) Summary

##### A. Section Includes:

1. Fusion wood veneer ceiling tiles.

##### B. Related Sections:

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

#### 2) Systems Description

##### A. Acoustical Performance Requirements:

1. NRC (Noise Reduction Coefficient): Comply with ASTM C423-90a.

#### 3) Submittals

##### A. Comply with Section 013300 – Submittal Procedures.

##### B. Product Data: Manufacturer's technical data for each type of ceiling tile including finishes and the following:

1. Manufacturer's installation instructions.
2. Certified test reports indicating compliance with Performance Requirements specified herein.

##### C. Samples: 2 full size sets of samples of each specified tile for color selection or verification.

##### D. Shop Drawings: Provide Shop Drawings/Coordinating Drawings for all ceilings, along with product details. Coordinate Wood Tile ceiling panels layout and installation of wood panels and suspension system components with other construction elements that penetrates ceilings or is supported by them, including light fixtures, HVAC equipment, fire-suppression system components, partition assemblies and all perimeter conditions.

##### E. Closeout Submittals: Comply with Section 017700 – Closeout Procedures.

1. Operating and maintenance Manual, including cleaning and maintenance instructions.
2. Extra material for owner's stock.
3. Material Safety Data Sheets (MSDS).

#### 4) Quality Assurance

##### A. Single Source Responsibility: Obtain tile units for entire project from a single manufacturer.



- B. Installer's Qualifications: Engage an experienced installer who has completed panel ceilings similar in species, design, and extent to that indicated for this project and with a record of successful in-service performance

5) Delivery, Storage, and Handling

- A. Comply with Section 016000 – Product Requirements.
- B. Deliver and store materials in manufacturer's original unopened containers with brands, names, and production lot numbers clearly marked on these containers.
- C. Storage and Production: Comply with manufacturer's recommendations.
  - 1. Store products in a cool, dry place out of direct sunlight.
  - 2. Protect from elements of damage.
  - 3. Before installing wood panels, permit them to reach room temperature and stabilized moisture content (at least 72 hours) per AWI standards.

6) Project Conditions

- A. Space Enclosure and Environmental Limitations: Do not install wood tile ceilings until space is enclosed and weather proofed, wet-work in spaces is completely dry, work above ceilings is complete, and ambient temperature and humidity conditions are being maintained at the levels indicated for project when occupied for its intended use.

7) Warranty

- A. Provide manufacturer's written warranty per Section 017700 – Closeout Procedures

8) Maintenance

- A. Extra Materials:
  - 1. Deliver no less than the following quantity of each type, color, and pattern of material, required to properly complete installation.

*Retain amount of extra material used on project. Delete this article if no extra materials required or acceptable.*

- a. 3 percent
- b. 5 percent
- c. 1 carton

- 2. Furnish Extra Materials from same production run to verify run color.
- 3. Package replacement materials with protective covering, identified with appropriate labels.

II. Products

1) Manufacturers

- A. Subject to compliance with requirements, provide products from the following manufacturer:



1. Acoustigreen Company  
751 7<sup>th</sup> Street South  
Delano, MN 55328  
Phone: 763-972-2780  
Fax: 763-972-1045  
Website: [www.acoustigreen.com](http://www.acoustigreen.com)  
Email: [lserfas@acoustigreen.com](mailto:lserfas@acoustigreen.com)

B. Substitutions: Comply with Section 016000

2) Manufactured Units

A. Fusion Wood Ceiling Tiles: Wood ceiling tiles manufactured from 75 percent recycled, post-industrial materials by weight.

1. Core: Manufacturer's standard medium density fiberboard with solid color throughout, matching the veneer chosen. Edge banding not required.
2. Fire resistance: Class 1 per ASTM E84

*Retain tile size required for project and delete sizes not required.*

3. Size: Nominal 24 inch by 24 inch (610 mm by 610 mm).
4. Size: Nominal 24 inch by 48 inch (610 mm by 1219 mm).
5. Size: Custom sizes indicated on drawings.
6. Tile Thickness: 1/2 inch (12 mm) total thickness.
7. Edge: Self-centering reveal.

*Retain tile edge above or below as required for project. Reveal is standard and square is optional.*

8. Edge: Square

*Select one of the following tile veneers indicated below. Delete veneers not required for project.*

9. Face: Smooth wood veneer of species of the following:
  - a. Natural Cherry
  - b. Red Tinted Cherry
  - c. European Steam Beech
  - d. Maple
  - e. Natural Bamboo
  - f. Caramel Bamboo
  - g. Custom wood veneer to match Architect's sample

10. Finish: Manufacturer's standard stain.

11. Acceptable Product: Fusion Wood Ceiling Tiles.

B. Perforated Fusion Wood Ceiling Tiles: Perforated wood ceiling tiles manufactured from 75 percent recycled, post-industrial materials by weight.

1. Core: Manufacturer's standard medium density fiberboard with solid color throughout. Edge banding is not required.
2. Fire resistance: Class 1 per ASTM E84.

3. NRC: 0.40.

*Retain tile size required for project and delete sizes not required.*

4. Size: Nominal 24 inch by 24 inch (610 mm by 610 mm).
5. Size: Nominal 24 inch by 48 inch (610 mm by 1219 mm).
6. Size: Custom sizes indicated on drawings.
7. Tile Thickness: 1/2 inch (12 mm) total thickness.
8. Edge: Self-centering reveal.

*Retain tile edge above or below as required for project. Reveal is standard and square is optional.*

9. Edge: Square

*Select one of the following tile veneers indicated below. Delete veneers not required for project.*

10. Face: Smooth wood veneer of species of the following:
  - a. Natural Cherry
  - b. Red Tinted Cherry
  - c. European Steam Beech
  - d. Maple
  - e. Natural Bamboo
  - f. Caramel Bamboo
  - g. Custom wood veneer to match Architect's sample
11. Manufacturer's Standard Stain.
12. Perforations and patterns: Provide ceiling tiles with the following perforation style and pattern:
  - a. Perforation: 0.25 inch (6.4 mm).
  - b. Perforation: 0.31 inch (8 mm).
  - c. Pattern: Diamond.
  - d. Pattern: Square.
  - e. Specify Others

13. Acceptable Product: Fusion Wood Ceiling Tiles.

### 3) Suspension System

- A. Suspension System: Refer to Section 095300 – Acoustical Ceiling Suspension Assemblies for acoustical tile support system.

*Retain paragraph above or below. 15/16 inch grid is recommended, but tiles can be specified for 9/16 inch grid.*

- B. Suspension System: [Insert acoustical tile ceiling system suspension system specifications here.]

### III. Execution

#### 1) Examination

- A. Verification of Conditions: Examine areas and conditions under which work is to be performed and identify conditions detrimental to proper and or timely completion.
1. Do not proceed until unsatisfactory conditions have been corrected.

#### 2) Installation

- A. Comply with manufacturer's instructions and recommendations for installation of acoustical tiles:
1. Coordinate with mechanical and electrical in locating and spacing fixtures, diffusers, and similar items located in ceiling.
  2. Lay out pattern per reflected ceiling drawings. Where not otherwise indicated, lay out in such manner that margins on opposite sides of rooms are equal or greater than ½ tile width.
  3. Where acoustical ceilings of different heights abut, install acoustical material matching ceiling at vertical surface at ceiling break match ceiling, unless otherwise indicated.
- B. Suspension System: Refer to Section 095300 – Acoustical Ceiling Suspension Assemblies for installation requirements.

*Retain paragraph above or below per project requirements.*

- C. Suspension System: [Insert acoustical tile ceiling system suspension system installation requirements here.]
- D. Acoustical Tiles:
1. Refer to manufacturer's written installation instructions.
  2. Install tiles with proper faces exposed.
  3. Install lay in acoustical ceiling tiles flush and level in suspension system.
  4. Install tiles with hand protection to avoid soiling.

#### 3) Cleaning

- A. Clean adjacent surfaces and remove unused product and debris from site.
- B. After installation is completed, clean soiled surfaces of materials per manufacturer's instructions.
- C. Remove and reinstall or replace improperly installed material.
- D. Remove damaged or discolored material, or material that cannot be properly cleaned, and install new material.

END OF SECTION