# PART 1 GENERAL

#### RELATED DOCUMENTS

* + 1. Drawings and general conditions of the contract, including general and supplementary conditions and division 1 specification sections, apply to the work of this section.

#### SUMMARY

* + 1. Section includes:
       1. Sound absorptive planks
    2. Related sections
       1. Section 01350 – Special Environmental Requirements
       2. Section 092116 – Gypsum Board Assemblies (by others)
       3. Section 09800 – Acoustical Treatment

### Section 095300 – Acoustical Ceiling Suspension Systems (by others)

* + - 1. Section 095100 – Acoustical Ceilings

#### SUBMITTALS

* + 1. Comply with Section 013300 – Submittal Procedures
    2. **Product Data:** Manufacturer’s technical data and installation instructions for each type of plank required.
    3. **Certifications:** Certified test reports showing compliance with performance requirements specified.
    4. **Samples:** Submit a minimum of one (1) sample of each plank type and finish type required.
    5. **Shop Drawings:** Submit shop drawings when applicable. Coordinate plank layout, installation and suspension system components, and show overall layout with dimensions and details of penetrations and intersections with other materials or building components.
    6. **LEED Requirements:** Where specified, submit required documentation indicating compliance.
    7. Submit operation and maintenance data for installed products. Include precautions relating to harmful cleaning materials and methods that would affect the service life of the planks.

#### QUALITY ASSURANCE

* + 1. **Single Source Responsibility:** Provide acoustic planks from a single manufacturer with at least 3 years of prior experience fabricating projects of similar size and complexity.
    2. **Installer:** Installation shall be done by qualified contractors with at least two (2) years experience in the installation of architectural woodwork , acoustical panels, or acoustical ceilings. Installers should receive training on handling and field finishing the specified product prior to receiving materials on site.
    3. **Fire Performance Characteristics:** Class B as tested by an independent accredited testing facility. Tests: ASTM E84.

#### Applicable LEED Credits:

* + - 1. MRc4 Recycled Content
      2. EQ 9 Enhanced Acoustical Performance
    1. **Coordination of Work:** Installing contractor shall organize and conduct a pre-installation survey of temperature, humidity and construction elements attaching, penetrating or concealed behind the acoustic planks.

#### REFERENCES

* + 1. **Test Methods:**
       1. **ASTM C423** Sound absorption and sound absorption coefficients by the reverberation room method performed by an independent testing agency
       2. **ASTM E84** Standard test method for surface burning characteristics of building materials

#### DELIVERY, STORAGE AND HANDLING

* + 1. Deliver planks to the project in original, unopened packages. Inspect containers for visible damage and report any questionable condition to the shipper and manufacturer immediately.
    2. Store products in a fully enclosed, clean, dry space out of direct sunlight and protected from damage with temperature controlled between 50 and 85 degrees F.
    3. Handle products carefully to avoid damaging plank surfaces or chipping edges. Report any damage immediately. Installation of damaged planks is not covered by the manufacturer’s warranty.

#### PROJECT CONDITIONS

* + 1. Do not install acoustic planks until space is enclosed and weather-proofed, wet work is completely dry and ambient temperature and humidity conditions are maintained at the levels indicated for the project when occupied for its intended use.
    2. Permit planks to reach room temperature, 50 to 85 degrees F, and stabilized moisture content of 25% to 55% RH for at least 72 hours before installation per AWI standards. Building should be enclosed and HVAC systems functioning in continuous operation with relative humidity maintained between 25 and 55 percent.

#### WARRANTY

* + 1. Provide manufacturer’s standard **five (5) year written product warranty** per Section 01770 –

Closeout Procedures

* + 1. Manufacturer’s warranty is limited to decorative or acoustical plank materials only. Other components used in the ceiling system are excluded. Refer to the appropriate provisions in the related specification section.

#### MAINTENANCE

* + 1. **Maintenance Instructions:** Provide manufacturer’s standard maintenance and cleaning instructions for finishes provided.

# PART 2 – PRODUCTS

#### MANUFACTURER

* + 1. Provide planks utilizing acoustical planks distributed by Surface Materials, 6655 Parkland Blvd, Solon, OH 44139, Ph. (440) 248-0000, email [customerservice@surfacematerials.com](mailto:sales@sonusna.com).

#### MATERIALS

1. **Planks for Interior Installation: Select**

1.25” thick acoustical planks as follows: Real wood veneer cut at .2mm thickness and constructed of 5 layers

specially constructed for greater flexibility and virtually eliminating any contraction and expansion issue. Veneers are pre-finished with two polyurethane coats. Wood veneer is laminated using Sonus’ patented Vacu-Bond ® to a sandwich panel consisting of an acoustical core comprised of Class A 6-7 pcf fiberglass. Edges of panel are edge banded using wood.

**Perforations:** Panels will be furnished with perforated faces consisting of 0.7mm diameter holes in an offset pattern within a 15% open rate. The perforations must be clean. Perforations must maintain consistent diameter through the face material and backer with no tapering or roughness.

1. **Plank Weight:** 1.5 lbs./ft2
2. **Plank Sizes: Select** Planks are available in the following sizes:
   1. Plank Width: *6” (custom widths available)*
   2. Plank Length: 48” 96”
3. **Reveal:** standard reveal is 1/8” or no reveal. Up to architect.
4. **Flame Resistance:** SONUS Planks have a Class (B) rating based on ASTM E84 standard test method for surface burning characteristics in building materials.
5. **Acoustic Performance:** Planks must achieve minimum NRC test values as stated: **Select**

**-** 1.25” thick - .83 NRC

#### Finish for Veneer Faced Planks: Select

* 1. Species as selected by the architect.
  2. Cut: *(flat cut, quarter cut, rift cut)*

# PART 3 – EXECUTION

#### EXAMINATION

* + 1. Inspect installation area and conditions under which work is to be performed for compliance with all manufacturer’s environmental requirements. All wet work in the installation area must be complete, cured and dry prior to installation. Do not proceed until all unsatisfactory conditions have been corrected.

#### INSTALLATION

* + 1. Installation must be done by qualified contractor with 2 years experience in the installation of architectural woodwork, acoustic planks, or acoustic ceilings. The firm must demonstrate successful experience installing materials of similar type and quality of those required for this project.
    2. Comply with manufacturer’s instruction and recommendations for hanging planks.
    3. If field curing is required, please refer to manufacturer’s instructions.
    4. Confirm all field dimensions are coordinated with shop drawings.

#### ADJUSTING AND CLEANING

* + 1. Clean soiled surfaces of planks per manufacturer’s instructions.
    2. Remove and replace damaged or discolored materials not in compliance with manufacturer’s tolerances.

## Contact Information:

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440-248-0000

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