

Architectural Specifications

WOOD VENEER ACOUSTICAL PANELS FOR WALLS & CEILINGS

Division 09 finishes: Specification Sections 09545, 09560, 09700, 09770, 09940.
CSI - Master Format 2004: 095433, 097700, 098400, 098413, 098433.

PART 1 GENERAL

The general and supplementary conditions of Division 1 of the specifications shall apply to all work of this section.

1.1 SECTION INCLUDES

- A. Wood veneer acoustical wall and ceiling panels.

1.2 RELATED WORK NOT INCLUDED

- A. Components for walls or ceilings, other than Murano Acoustics™ panel, are not included. The layout and installation of Murano Acoustics™ panels shall be coordinated with other trades whose work is related/adjacent to Murano Acoustics™ installation.

1.3 COORDINATION OF WORK

- A. Coordinate wall or ceiling work with installers of related work including but not limited to building insulation, paint, wall coverings, gypsum board, light fixtures, mechanical systems, electrical systems and sprinklers.

1.4 REFERENCES

- A. ASTM E 84 Standard Test Method for Surface Burning Characteristics of Building Materials.
- B. ASTM C 423 and E 795 Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.
- C. ISO 354 Measurement of Sound Absorption in a Reverberation Room.

1.5 QUALITY ASSURANCE

- A. Single Source: Murano Acoustics™ panels mentioned in this section shall be supplied by a single manufacturer.
- B. Installer Qualifications: Installation contractor shall have at least two (2) years of experience in installing similar acoustical panels.

C. The Murano Acoustics™ panels are fabricated using class A fire rated materials. The panel cores and/or finish coatings shall comply with fire code requirements. Submittal data is based on material supplier tests. Due to the variety of patterns and veneer combinations available that differ on a project- by-project basis, panel composite testing has not been completed. Murano Acoustics™ offers five options of panel construction based on the requirements of the installation:

Option 1: Non fire rated MDF substrate, standard wood veneer panel face and clear finish coating.

Option 2: Class A fire rated MDF substrate, standard wood veneer panel face and clear finish coating.

- Standard Wood Veneers offered: walnut (quarter cut and crown cut), maple, ash (quarter cut, crown cut and crown cut-strong), bamboo, anigre, teak, oak, sapele, cherry and beech. Custom veneers may also be available at an additional price.
- TerrAcoustics™: Class A fire rated MDF, Teragren® renewable bamboo veneer panel face and clear finish coating.
- Teragren® Pureform™ bamboo veneer: natural and caramelized flat and vertical grains.
- Teragren® Xcora® bamboo veneer: wheat, chestnut and brindle.
- Standard finish: CLEAR.
 - Custom stain panels available.

CI. Environmental Standards: upon request, Murano Acoustics™ panels shall comply with environmental standards set by accredited industry organizations.

CII. Alternate Bids: alternate products shall be submitted to the Architectural/Design firm ten (10) days prior to bid closing. Alternate bids can only be considered as an alternate to the specified base bid product.

1.6 SUBMITTALS:

- A. Product Data: Murano Acoustics™ shall provide technical specifications and installation guidelines for all required panels.
- B. Samples: When required, one (1) 12" x 12" Murano Acoustics™ panel, in the specified Murano Acoustics™ panel style, with finish applied, shall be submitted for approval.

1.7 DELIVERY, INSPECTION, STORAGE, AND HANDLING

- A. Murano Acoustics™ panels shall be delivered to the project site in original, unopened packages. Any damage to package material, discrepancy in quantity or errors should be put in writing and submitted immediately to the Contractor.
- B. The Murano Acoustics™ panels shall be stored flat and level, in a fully enclosed space as per section 1.8 of these specifications. The panels shall be stored in the room in which they will be installed at least 96 hours before the installation takes place and allow to acclimatize. Factory finished products require up to a week or more on site for acclimatization. The room conditions, namely the room's temperature and humidity, shall match the conditions that will be normal in the occupied space.
- C. Store the Murano Acoustics™ panels off the ground, on a pallet.
- D. Murano Acoustics™ panels shall be handled in a manner that will protect them from any type of damage.
- E. Review the Murano Acoustics™ Installation Guidelines (available upon request from your local dealer) for details on how to store, handle and acclimatize the panels prior to installation.

1.8 PROJECT CONDITIONS

- A. Installation shall be done only when all wet work has been completed and dried. Temperature and humidity conditions must match the normal conditions in the occupied space. The humidity of the room shall not drop under 25% or exceed 55%. The HVAC system shall be functioning continuously before, during and after installation.
- B. It is important that plenums have proper ventilation, especially in high moisture areas. There shall be no excessive buildup of heat in the installation areas.
- C. Prior to the start of installation, all exterior windows and doors are to be in place, glazed, and weather-stripped. The roof is to be watertight.
- D. Mechanical, electrical, and other utility service installations beyond the wall or ceiling plane shall be completed. No materials should rest against, or wrap around, the wall or ceiling attachment components
- E. Mechanical, electrical, and other utility service installations beyond the wall or ceiling plane shall be completed. No materials should rest against, or wrap around, the wall or ceiling attachment components

1.9 WARRANTY

- A. All Murano Acoustics™ panels have a one (1) year limited warranty by the manufacturer, for manufacturing defects only. Review the Murano Acoustics™ Warranty for complete details on the conditions of the warranty.
- B. The Contractor and/or Installation Company shall provide a one (1) year limited installation warranty from final acceptance of completed work and/or date of substantial completion of work.

PART 2 PRODUCT

2.1 MANUFACTURERS

- A. Basis-Of-Design Product:
 - 1. Murano Acoustics™
 - 2. TerrAcoustics™
- B. For the authorized dealer in your area, contact:

The Bartley Group, Inc.
Bartley Moore
27071 Cabot Rd., Ste. 125
Laguna Hills, CA 92653
Toll Free: (888) 987 6872
Fax: (877) 376 - 8726
info@muranoacousticsusa.com
www.muranoacousticsusa.com

Fabric Wallcraft of CA, Inc.
Erik Hile
2921 E. La Palma Ave.
Anaheim, CA 92806
Toll Free: (800) 615 0516
Fax: (714) 632 8365
erikh@fabricwallcraft.com
www.fabricwallcraft.com

C. Substitutions:

1. Unless otherwise provided in Contract Documents, proposed substitutions shall be submitted to Architect no later than 10 days prior to date established for receipt of bid.
 2. Architect will determine acceptability of proposed substitution and will notify bidder of acceptance or rejection in writing. Proposed substitutions accepted for use on this project by Architect shall be set forth by addenda.
 3. Requests for substitution shall include a mock-up panel, which incorporates a mid-wall condition, not less than 18" x 18" in size along with documentation consisting of complete product data, test reports and comparative analysis substantiating compliance of proposed substitution with Contract Documents.
 4. Wherever proposed substitution involves changes or modifications to elements of Project, submit drawings showing changes and modifications made necessary by proposed substitution.
 5. Proposed substitution shall meet or exceed requirements of this specification including but not limited to, items as follows:
 - A. Acoustic performance.
 - B. Fire resistance performance.
 - C. Core material composition.
 - D. Panel size and design
 6. Requests for substitution constitute a representation that Bidder/Contractor:
 - a. Has personally investigated proposed substitute product and determined it is equal or superior in all respects to specified product;
 - b. Will provide same warranty for substitution as for specified product;
 - c. Waives claims for additional costs related to substitution which subsequently become apparent; and
 - d. Will coordinate installation substitution if accepted, making such changes as may be required for work to be complete in all respects.
 7. Requests for substitution which do not provide adequate data for evaluation by Architect will not be considered.
 8. Substitution will not be considered which are not presented prior to Bid and will be rejected outright when they are indicated or implied on shop drawings or product data submittals without prior approval by Architect prior to bid submission.
- CI. The Murano Acoustics™ panels shall be of a no-added-urea-formaldehyde fire rated MDF core with a natural wood veneer face and a clear finish coating. Select from the standard wood veneer selection: walnut (quarter cut and crown cut), maple, ash (quarter cut, crown cut and crown cut-strong), bamboo, teak, anigre, oak, sapele, cherry, beech bamboo natural, and bamboo caramelized. A factory installed Sound Tex™ non-woven acoustic material is applied to the back of each panel.
- CII. The Murano Acoustics™ panels shall be [part number]. Each part number indicates the pattern / design preference. Indicate the size / dimension in [X] inches/millimeters wide x [X] inches/millimeters long and be [X] inches/millimeters thick. Use the "Murano Acoustics™ Styles & Dimensions Sheet" for guidance on the available sizes for each pattern. The NRC rating of the Murano Acoustics™ panels shall be [X]. (Note: a higher NRC rating can be achieved with the addition of insulation material behind the panel)
- F. Murano Acoustics™ Non-Acoustical/ Reflective panels are also available upon request.
- G. For perforated and slotted patterns, panel sizes should not be mixed in order to maintain the same size for the non-perforated border around the perimeter of the panels.

2.2 SUPPORT SYSTEMS

- A. Murano Acoustics™ panels shall be attached to a framing substrate system or ceiling grid provided by the installation company, in accordance with the current architectural drawings.

2.3 FINISHES AND COLORS

- A. Murano Acoustics™ panels shall be factory-finished with clear finish coatings. Custom stain finishes are also available upon request at an additional price. Custom stain finished panels require a longer lead time. All finishes shall be selected by the designer, architect, or designated owner's representative.
- B. Wood is a natural product with variations in grain, texture, and color. Product finishes shall be stained or sealed, factory spray-applied to achieve a smooth surface.

PART 3 EXECUTION

3.1 FABRICATION

- A. Factory finished Murano Acoustics™ panels shall be square, true to size and free from twist or other defects that could affect their strength or appearance. Factory applied finish should be uniform, smooth and without blemishes.

3.2 PREPARATION

- A. Layout: The Contractor and/ or Installation Company shall measure all wall or ceiling areas, and establish the layout of the Murano Acoustics™ panels and support framing, in accordance with installation guidelines.

3.3 INSTALLATION

- A. General: The Contractor and/ or Installation Company shall install materials in accordance with all applicable regulations and industry standards.
- B. All panels shall be installed plumb, squared and rigidly anchored maintaining uniform clearances and accurate alignment measurements.

3.4 CLEANING AND PROTECTION INSTALLATION

- A. Upon completion of the Murano Acoustics installation, remove dust from surface, grooves & penetrations by vacuuming using only a soft brush. Do NOT scratch wood surface with sharp metal or plastic vacuum attachment. Remove pencil marks with soft erasure. Remove general surface dirt, dust, grease, oils and fingerprints with a soft damp warm cloth with a mild diluted cleaning agent. Wipe dry with a soft dry cloth. Do not use cleaners with grit or cloths that could scratch the wood surface.
- B. Contractor shall protect completed Murano Acoustics™ panels from damage by other trades.
- C. Review the "Murano Acoustics™ Maintenance Guidelines" document (available upon request from your local dealer) for details on how to clean and protect the panels

END OF SECTION