

## **INSTALLATION GUIDELINES**

### **FOR MURANO ACOUSTICS WOOD WALL PANELS**

#### **1. General Instructions**

##### **1.1. Product: Material and Finishes**

Murano Acoustics panels consist of a natural wood veneer face laminated to a MDF or EcoBoard core with black SoundTex acoustic felt adhered to the back of the panels.

The standard panel thickness is 18 mm. The standard panel sizes vary depending on the panel style and pattern. Refer to the “Panel Styles and Dimensions” document for details.

Murano Acoustics panels are available in six standard natural wood veneer species: maple, oak, cherry, sapele, natural bamboo, and caramelized bamboo.

##### **1.2. Delivery, Storage and Handling**

The panels shall be delivered to the project site in original, unopened packages. The panels shall not be stored in damp warehouses or be placed in moist or freshly plastered buildings.

The wood veneer panels shall be handled with care to prevent any chipping, scratching, scuffing or denting. The cardboard boxes containing the panels can be taken out of the crates in which they were shipped. However the panels shall not be removed from the cardboard boxes prior to 96 hours before the installation to prevent damage. Also, the protective sheets in between the panels shall not be removed prior to 96 hours before the installation.

It is important that the panels are protected from humid conditions and extreme temperatures at all times during storage and installation. The room humidity needs to be maintained between 25% and 55% with the following exceptions: the damp Southern Coastal areas of the U.S. the relative humidity shall be maintained between 43% and 70% inclusive and the dry Southwestern U.S. shall be maintained between 17% and 50% inclusive. The temperatures need to be maintained between 50°F and 86°F. These humidity and temperature conditions need to be maintained during the installation and throughout the life time of the wood panels.

##### **1.3. Project Site Conditions**

Installation shall be done only when all wet work has been completed and dried. Prior to the start of the installation, all exterior windows and doors are to be in place, glazed, and weather-stripped. Mechanical, electrical and other utility service installations shall be completed. The roof is to be watertight and the area broom clean.

For the project site humidity and temperature conditions refer to section 1.2. Delivery, Storage and Handling instructions.

The HVAC systems shall be functioning continuously before, during and after installation. It is important for the rooms to have proper ventilation, especially in high moisture areas. In order for the panels not to expand,

contract, warp, twist or bow there shall be no humidity build up or extreme temperature fluctuations in the installation areas.

#### **1.4. Panel Acclimatization Prior to Installation**

The panels shall be acclimatized to the final environment in which they will be installed for at least 96 hours prior to their installation. Factory finished products require up to a week or more on site for acclimatization. No materials should rest against, or wrap around the Murano Acoustics panels.

When **ALL** the conditions mentioned in paragraphs 1.3. and 1.4. are met, open the cardboard boxes in which the panels are shipped with care. Store panels flat and level, off the ground and on dry pallets in the room in which they will be installed. Add wood stickers in between the panels to improve airflow. The panels shall not be directly exposed to sunlight or sources of heat or cold air. *Allow the acoustic panels to acclimate to the conditions of the final space of installation for* at least 96 hours before installation takes place.

#### **1.5. Panel Sorting and Inspection**

Prior to installation, we recommend that the panels are inspected for scratches, dents or any other type of damage. Also, be advised that because of the natural variations in the wood veneer grain and color, the panels need to be sorted and arranged to create a consistent and coordinated look.

## **2. Wall Panel Installation**

- 2.1. The wall installation of the Murano panels can be accomplished by using standard wood furring strips. Depending on the specified orientation of the panels (either vertical or horizontal), the furring strip shall be installed perpendicular to the panel.
- 2.2. Check walls on which the panels are to be installed to make sure they are level and straight. This will determine how much shimming will be required for the wooden furring strips to be plum and level.
- 2.3. Prepare layout on the wall to determine where the wood furring strips are going to be located and if there are any cut-outs and/or rips that are required on the panels. The dimension of the furring strips shall be consistent with the arrangement of the acoustic panels.
- 2.4. For a horizontal panel installation, attach the first furring strip 1" away from the wall. For a vertical panel installation, attach the first furring strip horizontally 1" above the ground and 1" below the ceiling.
- 2.5. The spacing between the furring strips is required to be no more than 24" inches on center. A furring strip needs to be installed at the end of each panel in order for both tongue and groove panels to rest on the same furring strip when they butt together.

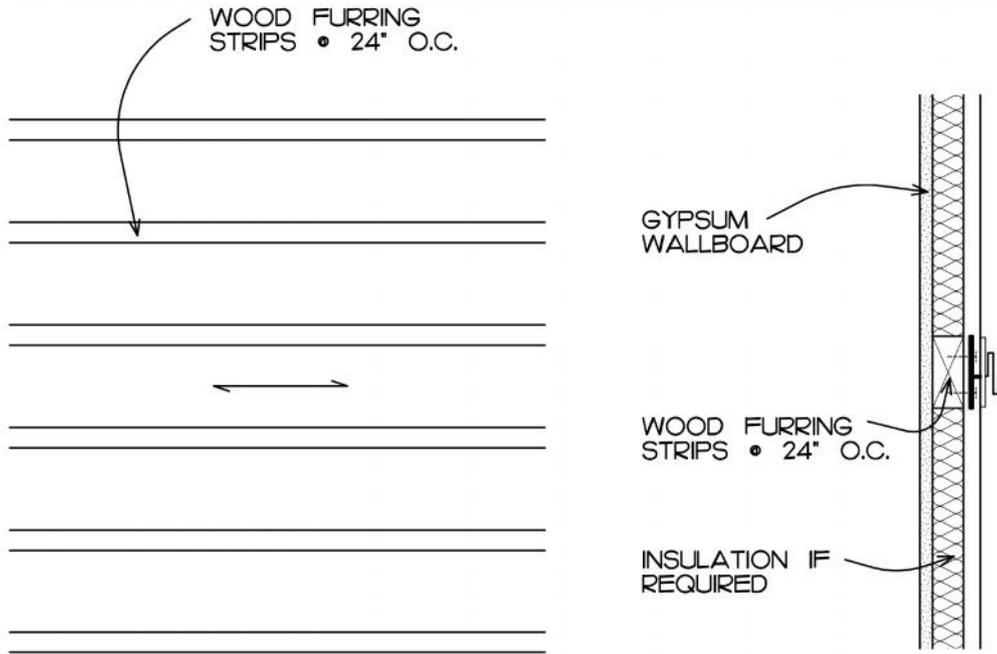


Figure 1-1 Vertical Panel Installation

- 2.6. Depending on the project's acoustic requirements, insulation may be inserted between the furring strips. Insulation is to be attached to the wall with appropriate fasteners or adhesives as needed.
- 2.7. Position and fix the first panel using adhesive making sure that the panel is level. Adhesive shall be attached to the furring strip of the first panel. Align the panel double checking it is level and attach the fixing clips either screwing them to the furring strips.

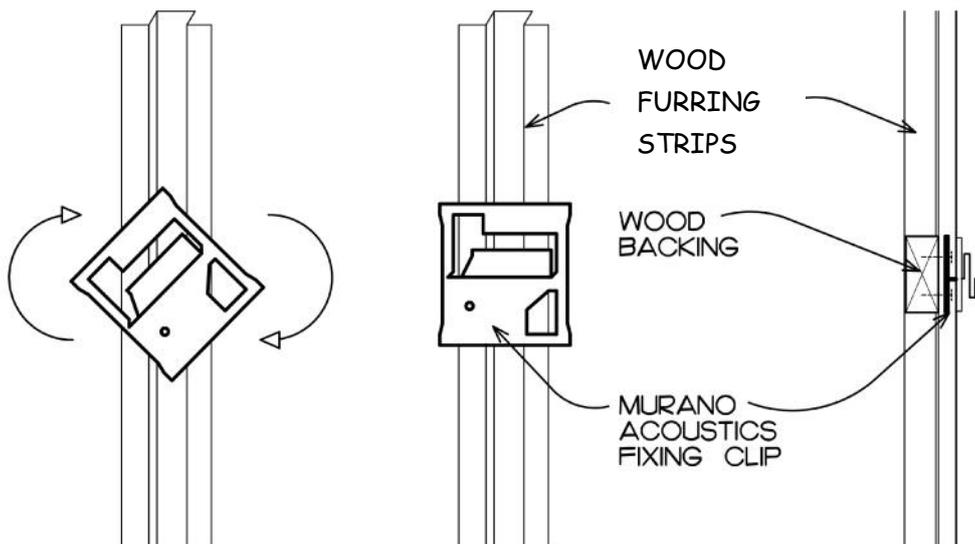


Figure 1-2 Fixing Clip Detail

2.8. Install subsequent tongue and groove panels and secure with fixing clips. Repeat sequence until installation is complete.

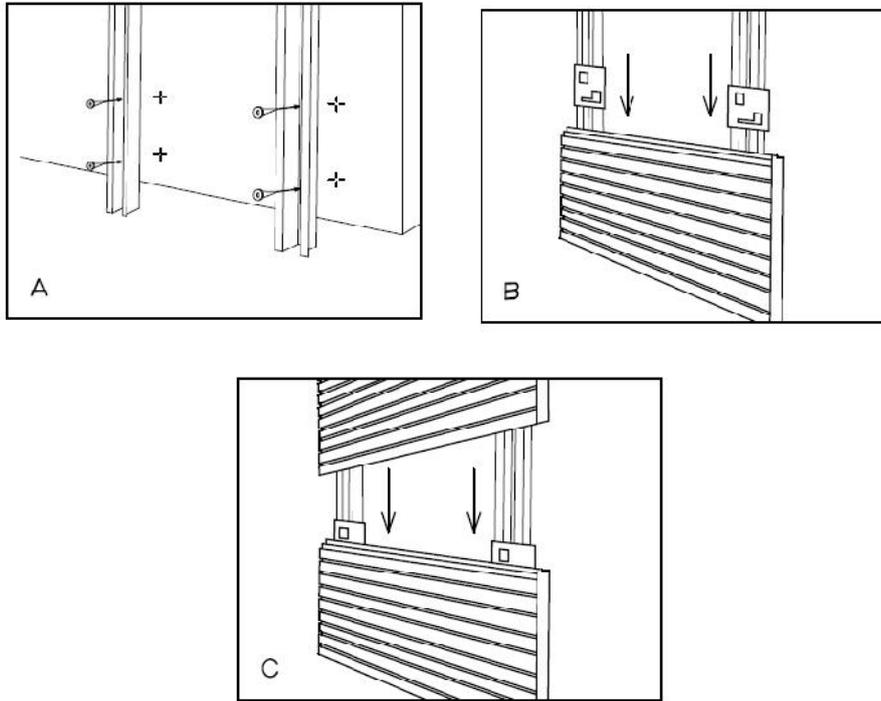


Figure 1-3 Panel Installation Sequence

### 3. Cleaning and Protection

Upon completion of the Murano Acoustics panel installation, remove dust from surface, grooves and penetrations by vacuuming using only a soft brush. DO NOT scratch wood surface with sharp metal or plastic vacuum attachments. Remove pencil marks with soft eraser. Remove general surface dirt, dust, grease, oils or 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.

Contractor shall protect completed installation of the Murano Acoustics panels from damage by other trades.

### 4. Disclaimer

Murano Acoustics shall provide only the acoustical panels for the contractor and/or the installation company. The above recommended installation methods are suitable for most installations, but are not meant to imply any warranty for which Murano Acoustics assumes responsibility. The installation company shall be responsible to ensure that the method of installation used is suitable and reliable for each specific application prior to installation.