Decorative Wood Acoustic Panels
Murano Acoustic Wood Panels are the ideal noise control solution for interior environments with decorative natural wooden finishes. The Murano range of perforated, grooved and slotted timber ceiling and wall panels incorporate the latest perforation techniques to maximise sound absorption and reduce reverberation. Murano Acoustic Wood Panels are available in a standard range of veneers and laminate surfaces. Sontext can customise panels for large projects which are requiring special decorative patterns, surfaces, lacquers, or paint finishes.

The unique concealed joining system on Murano Acoustic Wood Panels allows a continuous, uninterrupted look to wall and ceiling linings. The MDF substrate on these highly engineered panels may also be perforated independently to allow sound to pass through and be dissipated.

Features & Benefits

- A wide range of surface finishes, colours and hole patterns available for you to choose the best design for your project.
- Low maintenance and easy to clean wooden panels.
- Combine wooden finishes with decorative fabric acoustic panels to create a truly unique interior space.
- Engineered with high quality materials, making it long lasting acoustic noise control solution.
- The excellent sound absorption and reverberation control makes them ideal for schools, lecture theatres, auditoriums, and most public spaces.
- Murano acoustic panels are highly durable, high performing panels making them ideal for high impact areas and thoroughfares.
- Manufactured with black Soundtex acoustic felt backing which stops dust falling thorough the panel holes and contributes to the acoustic performance.
- The interlocking “invisible” panel edge treatment enables you to create a continuous line with the linear grooved pattern.
- Concealed fixing system.
- Supply and installation services available by Sontext.
- Panels can be manufactured to custom requirements (subject to order size).
Murano Acoustic Wood Panels integrates custom design with the latest acoustics technology to create the perfect noise reduction solution. State of the art CNC machinery produces the large variety of grooves, slots, holes and patterns that are distinctively Murano. The core material is composed of MDF—fire retardant, low formaldehyde (E1 grade) and FSC Certified if required to meet industry standards. The Murano acoustic wood panels are manufactured with the distinctive “non see through” black SoundTex acoustic felt attached to the back.

Acoustic Performance

Perforated Panel: 3mm Holes at 16mm centres.

Grooved Panel: 3mm Grooves at 32mm centres

These graphs compare typical sound absorption profiles for perforated and/or grooved Murano Timber Panels. For maximum sound absorption it is recommended that 50mm thick, 48 kg/m³ density fibrous insulation be installed behind the panels (see the effect on the graphs). Test Reports from Tongji University are available.

Information on other perforation patterns is available on request to Sontext.
Murano Acoustic Wood Panels
Colour Range

Murano Natural Wood Veneer Panel Range

- Sapelli 1002
- Walnut 1012
- Mahogany 1070
- Cherry 1023
- Zebrano 1098
- Beech 1031
- Oak 1053
- Ash 1090
- Maple 1081
- Anigre 1099

Murano Decorative Laminate Panel Range

- Dark Oak 2050
- Dark Cherry 2026
- Aged Walnut 2013
- Walnut 2014
- Cherry 2025
- Light Oak 2053
- White Oak 2052
- Argent 2200
Murano Acoustic Wood Panels
Pattern Range

Murano Acoustic Wood panels are available in perforated or grooved patterns.

P316 HOLES
P616 HOLES
P916 HOLES
PL316 HOLES OFFSET
PL616 HOLES OFFSET
PL916 HOLES OFFSET
G8 GROOVES
G16 GROOVES
G32 GROOVES
S56 SLOTS
SL56 SLOTS OFFSET
SL100 SLOTS OFFSET
Murano Acoustic Wood panels are available in perforated or grooved patterns.

For further technical information go to the Murano website at www.muranoacoustics.com.au or email sales@sontext.com.au
**Demountable Fixing System**

Murano grooved acoustic panels have an MDF core, laminated, veneered or finished to suit. They are supplied as tongue and grooved “planks” in widths of 197, 293 and 581mm and up to 2400mm in length. The installation system described here allows for a fastener-free, demountable and re-usable wall finish, with virtually undetectable horizontal joints.

**General Instructions**

The fixing rails need to be securely screw fastened to the structure. Insulation may be inserted between the rails to increase the acoustic performance if required. To increase the thickness of the cavity, timber battens of appropriate thickness will need to installed first. For Murano panels installed horizontally, start from the lowest panel and work upwards.

**Components**

**Murano Fixing Rails**

Aluminium Extrusion and self-tapping screws.

**Murano Fixing Clips**

For fixing all subsequent panels (see below).

**Securing Fixing Clips**

The clip lugs are pushed into the u-shaped fixing rails and rotated as shown below, until they “click” into position. They can then be slid down the rail to retain and hold the panel as shown in diagrams 2 and 3 opposite.
Split Batten Fixing System

Murano Timber Panels are available in a range of perforated and slotted patterns. These can be utilised as a stylish sound absorbing wall treatment (insulation infill is required refer Figure 2), or simply as a decorative cladding. In both cases, the use of Murano aluminium split battens allows for an easily demountable wall cladding system.

To maximise acoustic performance: Install to existing walls by first fixing timber battens (of the required thickness), spaced at 600mm centres, over the area to be clad. The split battens are then fixed in place to create an air space between the panels and the wall as shown in Fig. 1. Fibrous insulation is then fitted between the battens as an acoustic absorber, prior to installing the panels. Refer to Murano product brochure or website for information on sound absorption with and without insulation.
Sontext has installed Murano Acoustic Wood Panels in schools, gymnasiums, boardrooms, hospitals and commercial spaces throughout Australia and the Middle East.
Contact Information

For more information on our range of Acoustic Wood Panels visit our website www.muranoacoustics.com.au or contact your authorised Sontext representative.

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