SOUNDTUBE®

WOOD VENEERED ACOUSTIC WALL & CEILING PANELS

SOUNDTUBE® acoustic panels are based on fire retardant tubular core and finished with the highest quality hardwood veneer. The veneer is doubly lacquered, providing a stunning finish that is both elegant and durable.

SOUNDTUBE® panels are backed with blind veneer for balance. Panels connect seamlessly with one another, and install quickly and easily.

Note: Image is a close-up, showing fine details of **SOUNDTUBE®.**

eomac

TYPE

Acoustic panel for interior application

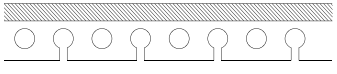
MATERIALS

Face*:	Sliced Real Wood Veneer, 0.6 mm
	Quality A, or as specified
	**FSC-Certified wood veneers available*
	**Engineered wood veneers available*
	**Painted finishes available*
	**High Pressure Laminate (HPL) available*
Finish:	UV Premium Interior Lacquered - Clear
Base:	Fire-retardant tubular core
Back:	Blind Veneer
Core *(Optional)*:	50 mm acoustic core can be installed behind **SOUNDTUBE®** panels to maximise acoustic performance.
	Acoustic core and furring typically provided as separate items

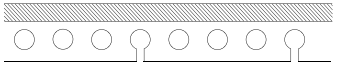
STANDARD DIMENSIONS *(Custom sizes available)*

Thickness:	24 mm
Size (L x W):	2600 mm x 600 mm
	2500 mm x 600 mm

SOUNDTUBE® 24/2 TYPE GR & TYPE OR: Grooved every 40 mm.



SOUNDTUBE® 24/4 TYPE GR & Type OR: Grooved every 80 mm.



EDGE

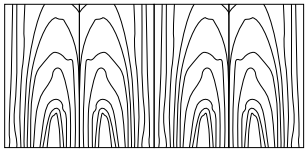
Seamless Connection. Veneer edge banding on exposed edges.

MOUNTING

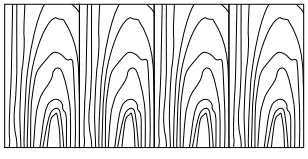
Construction adhesive and finish nails to timber or metal furring/stud, concealed within grooves.

WOOD VENEER

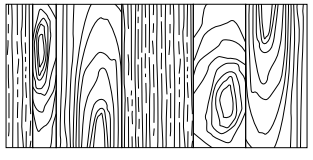
The view-side of panels are finished with a top quality, hand-selected veneer. Over 40 wood species are available in stock. Panels are finished in a premium clear lacquer over a three-stage process, ensuring only the highest standard and durability. Custom staining and PANTONE, RAL or NCS colour matching is available. Veneer sheets with a width of 10 cm to 20 cm are typically book-matched to ensure continuation. Slip-matched or mismatched sheets can be produced upon request, providing a natural or variable wood art effect.



Book-matched



Slip-matched



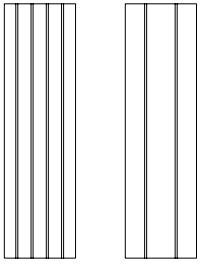
Mismatched

FLAMMABILITY

Fire test data performed by independent laboratories. Support documentation available upon request. Note that all data provided is for typical usage.
eomac is adaptable to other situations and custom applications.

CANADA:	CAN/ULC-S 102: Class 1
EU:	EN 13501-1: Class B, s2, d0
USA:	ASTM E-84: Class A
	NFPA 265; UBC 8-2: Passes

ACOUSTIC PERFORMANCE

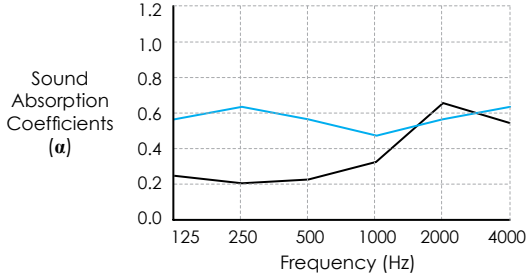


24/2 **24/4**

SOUNDTUBE® 24/2, groove width 4 mm, centre to centre 19 mm
TYPE GR; opened channels only on the view side
TYPE OR; opened channels on both sides
Depth of construction: 300 mm

	Sound Absorption Coefficients (Hz)						α_w	NRC
Perforation	**125**	**250**	**500**	**1000**	**2000**	**4000**	**(ISO 11654)**	**(ASTM - C423)**
Type GR	0.24	0.20	0.22	0.32	0.65	0.54	**0.30**	**0.35**
Type OR	0.56	0.63	0.56	0.47	0.56	0.63	**0.55**	**0.55**

Values 1/1 octave



SOUNDTUBE® 24/4 TYPE GR: NRC 0.30
SOUNDTUBE® 24/4 TYPE OR: Perforated with acoustic core backing, NRC as high as 0.50

INSTALLATION GUIDELINES

- Prior to installation, **SOUNDTUBE®** should be acclimatised for a minimum of 24 hours.
- Installation of **SOUNDTUBE®** can start only in a controlled environment, when temperature and humidity conditions have reached to the standard occupancy conditions.
- Humidity should not exceed 65%.
- Veneer is a natural product with natural colour and structure variations. As such it is advised that **SOUNDTUBE®** panels be sorted before assembly in order to ensure uniformity.
- Panels to be installed on furring (timber recommended) spaced at 450 mm – 600 mm.
- Furring should be run perpendicular to overlap long edge along long side of panel.
- Prior to mounting **SOUNDTUBE®** panels, ensure furring is plum and level.
- Secure **SOUNDTUBE®** panels with finish nailer between grooves on face of panels. Fastening is concealed within groove pattern of panel.
- It is recommended to leave a 2 mm gap between **SOUNDTUBE®** panels, which meet at short ends, to allow for potential expansion / contraction, as new construction settles.
- **SOUNDTUBE®** panels to be installed by qualified installers only.
- The methods described in this document are provided as guidance only. Relevant national building and installation codes should be strictly followed and take precedence.
- **eomac** is not responsible for any damage or deficiency caused by improper installation.

Typical SOUNDTUBE® shop drawings are available upon request.
For more information, please contact us.