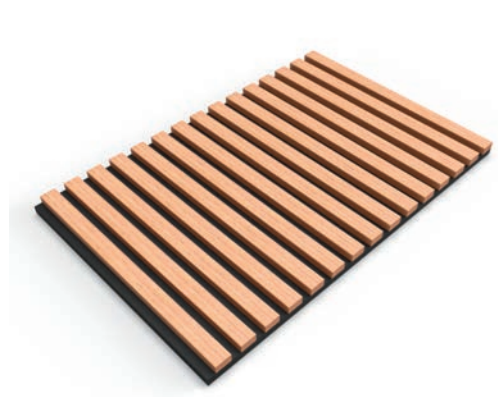


LINEA ACOUSTIC SLAT PANEL

LINEA Acoustic Slat Panel is the ultimate premium and environmentally friendly acoustic wood panel on the market. It marries the high-performing acoustical qualities of our LINEA P.E.T. Acoustic Felt with our aesthetically pleasing LINEA Plank wood slats. The combination of P.E.T. and Wood Slats creates a fully customizable, decorative, and easy-to-install acoustic panel system for use on interior commercial and residential walls and ceilings. Acoustic Slat Panel focuses on environmental wellness and acoustical design. Acoustic Slat Panel is fabricated using post-consumer recycled materials and is 100% recyclable.

SPECIFICATION—example

Type:	LINEA Acoustic Slat Panel
Facing:	White Oak Veneer, 13mm (1/2") Light Colored MDF Board.
Backing:	100% PET, 9mm (3/8"), Black
Module:	2515; 25mm (1") Slat & 15mm (0.59") reveal 15 Slats per Panel
Panel size:	2' x 8' Nominal 603 x 2438mm (23.75 x 96")
Thickness:	22mm (0.88")
Weight:	2 PSF
Finish:	Raw, Unfinished (Factory Finishing available upon request)
Fire Rating:	Class B (Class A available upon request)
Acoustics:	NRC 0.55–0.95 (with air gap and added acoustic insulation)



Linea Acoustic Slat Panel

FEATURES | BENEFITS

- The Ultimate Premium and Customizable Acoustic Wood Slat Panel on the market.
- Made in Canada. Packaged to ship Globally.
- PET made with 60% Post-Consumer Recycled Content and is 100% Recyclable.
- CARB-approved TPC Low VOC Emissions Compliant (CDPH V1.2) for LEED V4/4.1.
- Class A Fire Rated, NAUF, and FSC Certified MDF options available.
- Easy to Handle and Quick to Install with Built-in Spacers.
- Glue or Screw to any Existing Ceiling or Wall or Cut to fit into T-Grid.
- Can be made in several Species, Finishes, and Backer Colors.
- Available in multiple Module Sizes and Lengths (8', 4' and 2').
- Anti-microbial finish additive available upon request.
- Two-year Limited Warranty.



**Product information is subject to change without notice.*

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LINEA ACOUSTIC SLAT PANELS

PRODUCT DATA SHEET

LINEA Acoustic Slat Panel Product Dimensions—Metric (mm)

Modules	PET Depth	Slat Depth	Slat Width	Reveal	Panel Thickness, width and length			Alternate Lengths
2515	9	13	25	15	22	603	2438	2400, 1200, 600
2713	9	13	27	13	22	603	2438	2400, 1200, 600
3515	9	13	35	15	22	603	2438	2400, 1200, 600
Custom								

LINEA Acoustic Slat Panel Product Dimensions—US (Inches)

Modules	PET Depth	Slat Depth	Slat Width	Reveal	Panel Thickness, width and length			Alternate Lengths
2515	0.38	0.50	1.00	0.59	0.875	23.75	96	94.5, 47.25, 23.6
2713	0.38	0.50	1.06	0.50	0.875	23.75	96	94.5, 47.25, 23.6
3515	0.38	0.50	1.38	0.59	0.875	23.75	96	94.5, 47.25, 23.6
Custom								

Typical	White Oak wood veneer on tan color MDF board is standard. <i>Alternate Veneer, Solid Wood, and/or Black MDF Core available upon request at additional cost and lead-time.</i>							
Backing	3/8" (9mm) Black, 100% Polyethylene Terephthalate (PET) with 60% recycled content is standard. <i>Alternate 1/2" (12mm) or 1" (24mm) PET is available upon request at additional cost and lead-time.</i>							
Factory Finish	Raw, unsealed is standard. <i>Alternate factory-applied Stains, Paints and Clear Coats available upon request at additional cost and lead-time.</i>							

LINEA ACOUSTIC SLAT PANEL with PET



MODULE 2515



MODULE 2713



MODULE 3515

Wood Species

**See our Wood Veneer sheet for more options.*

Common Wood Veneer Species



White Oak

Walnut

Maple

Birch

Douglas Fir

Cherry

Available With:

Linea Textured Face



Common Solid Wood Species



Hemlock

Douglas Fir

Poplar

Maple

Ash

Red Oak

DISCLAIMER

A single sample may not accurately represent the full range of natural variations to be expected. Due to the inherent properties and characteristics of wood, these samples should be viewed as an approximation of what can be obtained. Some wood species have more natural variance in appearance than others. We have made every effort to make colors as accurate as possible. Colors on screen may vary depending on your screen setting and resolution.

Contact LINEA for more details.

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PHYSICAL DATA



WOOD SELECTIONS	
Wood Species	LINEA Acoustic Slat Panels can be fabricated using any commercially available wood veneer, plastic laminate, or solid wood. The raw MDF core (veneer and laminate only) remains visible on the edges. Black colored MDF core or Class A Fire Rated MDF (Tan or Black) may be substituted to satisfy local building code or improve aesthetics at additional cost and lead time
Trim	1" x 0.79" x 90"
Backing	PET is available in 16 colors and 3 thicknesses (3/8", 1/2", 1"). Acoustical performance varies depending on combination of Module Size, PET thickness, air gap or acoustical insulation behind.



FINISHES	
Finishes	Raw, Unfinished in standard—Factory applied custom stains, tints, and paint colors in varying degrees of sheen (Matte, Satin, Semi-Gloss) are available upon request at additional cost and lead-time
Surface Texture	Surface appearance as smooth or LINEA Textured Face. Texture options include: Fine, Medium, or Coarse
Antibacterial	LINEA offers an Antibacterial Coating for interior wood product installations where cleanliness and hygiene are of the utmost importance. The coating has been specially formulated to provide excellent object/surface protection levels and deliver extraordinarily high physical/chemical resistance. Furthermore, the presence of active metals boosts durability and protects the coating film from bacterial attack and the effects will last over time.



PANEL SIZES	
Module Sizes	LINEA Acoustic Slat Panel is manufactured and sold in multiple standard module sizes. Nominal 2' x 8' is standard, but also available as 2' x 4' and 2' x 2'.



TECHNICAL DATA	
Fire Rating <i>Veneer/ Composite</i>	ASTM E-84 and CAN/ULC S102, Class B (Class A Available upon Request)
Acoustics	LINEA Acoustic Slat Panel can achieve high sound absorption depending on a range of factors including Module Size, PET thickness, Air Gap behind the panel, and if paired with Supplemental Acoustic Insulation. See Acoustic Data on page 4.
Seismic	LINEA Acoustic Slat Panels meet seismic code compliance via direct screw attachment to furring or heavy duty grid. Local code requirements should be consulted in order to determine additional requirements.
Installation & Suspension system	LINEA Acoustic Slat Panel has been designed to be installed with ease. The interlocking panels can be installed directly to the wall or ceiling with adhesive or directly screw fastened through the acoustic felt. For increased sound properties, mount the panels on furring strips or blocking to create an air gap. If installing on ceilings, the panels can be screwed directly into the ceiling joists.
Warranty	Two-year limited warranty guarantees all of our products are free from defects in the materials and maintain their quality of craftsmanship. <i>Contact LINEA for details.</i>



SHIPPING AND SITE CONDITIONS	
Shipping	LINEA products are carefully packaged and shipped in palletized wooden crates.
Site Conditions	Wood products are hygroscopic in nature and must be stored, installed & maintained in a controlled building environment. Temperature range should be maintained between 60°–90° F (15°–32° C). Relative Humidity range should be kept within a minimum 25%—max. 55% (not to exceed 20% RH from peaks to valleys). <i>Failure to maintain site conditions will void the LINEA warranty</i>

LINEA ACOUSTIC SLAT PANEL

PRODUCT DATA SHEET



ACOUSTIC DATA

1/3 Octave Sound Absorption
Coefficients at the Octave Band Frequencies

ASTM C423	Type A Mount (Flat)—No Air Gap						
Frequency (Hz)	125	250	500	1K	2K	4K	NRC
	0.08	0.08	0.29	0.70	1.07	0.83	0.55
ASTM C423	Modified Type D—20 Mount—1" Air Gap						
Frequency (Hz)	125	250	500	1K	2K	4K	NRC
	0.04	0.18	0.50	1.02	1.04	0.77	0.70
ASTM C423	Modified Type D—50 Mount—2" Air Gap						
Frequency (Hz)	125	250	500	1K	2K	4K	NRC
	0.17	0.39	0.87	1.10	0.81	0.84	0.80
ASTM C423	Modified Type D—50 Mount—2" Insulation						
Frequency (Hz)	125	250	500	1K	2k	4K	NRC
	0.44	0.95	0.98	1.00	0.96	0.80	0.95
Results shown are for 2515 Module and is subject to change without notice. Test results for 2713 and 3515 Modules pending.							



LEED®

Linea products can contribute towards LEED certification

MR-2.1 2.2	Construction Waste Management
MR-3.1 3.2	Materials Reuse
MR-4.1 4.2	Recycled Content
MR-5.1 5.2	Regional Materials (location dependent)
MR-7.0	Wood available as FSC Certified, upon request
EQ-3.1 3.2	Construction IAQ Management Plan
EQ-4.1 4.2 4.4	Low emitting materials

Disclaimers

Color Consistency of Natural Veneers

Due to the nature of the product as a unique organic material, there may be imperfections and color variations, and the final product may differ from the samples. Common characteristics of natural wood veneers include variations in color, grain, texture, and figure. End-to-end alignment and matching of the veneer cannot be guaranteed from panel to panel. The incorporation of framework, reveals, etc. should be considered to achieve the desired effect.

Fire Performance

Individual product components (wood, fabric, metal, finish) comply with Class A fire retardant testing. ASTM E-84 and CAN/ULC S-102 submittal data is based on supplier tests. Product assembly testing has not been completed due to assemblies varying on a project-by-project basis. To exceed today's changing codes and environmental requirements, Linea recommends sprinkling both the ceiling and the plenum (concealed space) in lieu of using chemical fire retardants. Linea recommends the specifier consult a fire protection engineer, NFPA 13, and local codes for assistance where fire suppression and automatic fire detection systems are present.

Acoustics

LINEA Acoustic Slat Panel paired LINEA PET Backer, the panels can achieve high sound absorption. Contact Linea for details

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- USED AS:** Wall and Ceiling Panels, Hanging Baffles, Acoustic Ceiling Clouds, Partition Screens and more!
- OPTIONS:** Perforations, Grooves, Waves, Custom Shapes or Printed Patterns
- INSTALLATION:** Adhesive or Mechanical Fasteners as appropriate

TECHNICAL INFORMATION

- PET Types:** Class A fire Rated and *Non-Fire Rated
- Fire Rating:** Class A (ASTM E84)
- Core Material:** 100% Polyester Fiber (60% PET-Recycled Fiber, 40% PET Virgin Fiber)
- Edge:** Square
- Size:** 1225mm x 2800mm (4' x 9' Nom)-Class A
1220mm x 2440mm (4' x 8' Nom)-Class C
- Thickness:** 9mm (3/8"), 12mm (1/2") or 24mm (1")
- Finish:** Mixture of Rough & Smooth
- Colors:** 15+ (Class A Fire Rated) and *30+ (Non-Fire Rated)
- NRC Rating:** 0.40-1.00 (depending panel thickness and mounting options)
- Weight:** 12mm (1/2")-2300 g/m2 (0.47 lb/ft2)
24mm (1")-3500 g/m2 (0.72 lb/ft2)
- Density:** 12mm (1/2")-190kg/m3 (11.7 lb/ft3)
24mm(1")-160kg/m3 (10lb/ft3)
- Fabrication:** Utility knife or CNC with oscillating knife
- Installation:** Adhesive or Mechanical Fasteners as required
- Use:** Interior use only

COLORS (CLASS A)

Additional colors available for non-fire rated panels (Class C)

