

LINEA **T&G**

LINEA T&G (Tongue and Groove) is a progressively installed interior and exterior wall and ceiling system that is ideal for small, medium or large spaces where a natural look is preferred, but sound absorption is not required. LINEA T&G provides a continuous appearance and can be mounted in a variety of ways. LINEA T&G is available in a wide variety of solid wood species as well as real or engineered veneer options or in painted or simulated wood finishes. LINEA T&G is available in many standard or custom face widths and beveled edge options.

SPECIFICATION—example

Type:	LINEA T&G
Species:	See Chart
Face Width:	Varies by species (solid and veneer)
Edge:	T&G with V-bevel, Kerf Bevel, Shiplap
Panel Lengths:	Solid Wood —Varies by Species Veneer —96"
Finish:	Interior or Exterior, Natural Clear, Custom stained or Tinted Clear Finishes in <i>Matte, Satin or Semi-Gloss Sheen</i>
Fire Rating:	Class A per ASTM E-84 (USA) and CAN/ULC S102 (Canada)



Linea T&G

FEATURES | BENEFITS

- Comes in a wide variety of real wood and engineered wood veneers or painted finishes
- Easily installed by Glue & Pin or with Linea T&G Clips
- Can be installed vertically or horizontally on walls and ceilings
- Some solid woods are suitable for exterior use. Wood veneers for interior use only.
- Standard or custom configurations, panel sizes, colors and low VOC finishes.
- Class A Fire Rated per ASTM E-84 and CAN/ULC S102 is standard.
- FSC Certified and other responsibly harvested wood options available including PEFC.
- MDF or Particleboard composite core with No Added Urea Formaldehyde (NAUF)
- MEP and Access Panels can be easily integrated
- Available with LINEA Textured Face
- Linea MicroPerforations for sound diffusion (Veneer Only)



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

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LINEA— T&G (Tongue & Groove)

Substrate	Depth (in)	Depth (mm)	Face Width (In-Nominal)	Length Range (LF)	Bevel	Interior	Exterior
Softwood	5/8 or 11/16	16 or 17	3, 4, 5, 6	4-14	V, K, S	Yes	Yes
Hardwood	11/16 or 3/4	17 or 19	3, 4, 5, 6	4-12	V, K, S	Yes	Some
Veneer	11/16 or 3/4	17 or 19	3 - 12	8-10	V	Yes	No

Nominal Sizes are not actual and are milled less than noted size.

Bevel Options—(V) V-Bevel, (K) Kerf; (S) Shiplap

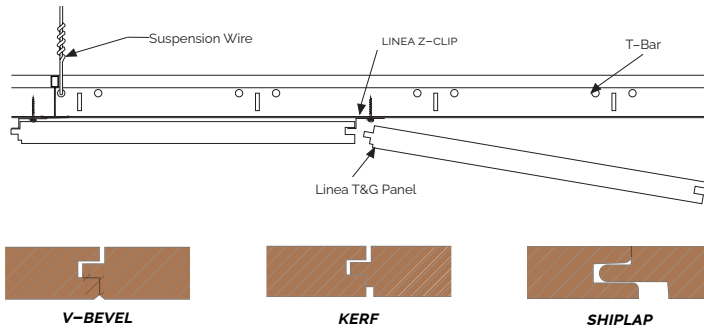
Softwood—Western Red Cedar, Douglas Fir, Western Hemlock, Yellow Cedar (Cypress)

Hardwood—White Oak, Red Oak, Maple, Birch, Ash, Poplar, Cherry

Other— Alder, Pine, Aspen and more

Contact **LINEA** for more information

Section Detail and Profile Options



Wood Species

**See our species sheet for more options.*

Common Solid Wood Species



Suggested Exterior Wood Species



Common Wood Veneer Species

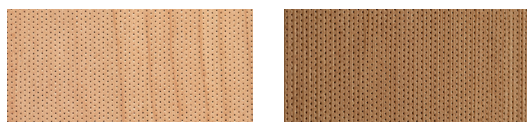


Simulated Finishes



Available With:

LINEA MicroPerforations for sound diffusion (Veneer Only)



LINEA Textured Face










LINEA Textured Face with Microperforations



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PHYSICAL DATA

	WOOD SELECTIONS	
	Wood Species Interior	LINEA T&G may be specified in a wide variety of solid woods as well as natural or engineered wood veneers pressed on composite MDF or Particleboard core
	Wood Species Exterior	LINEA T&G may be specified in Western Hemlock, Douglas Fir, Western Red Cedar or Alaskan Yellow Cedar. Vertical Grain is recommended for structural stability. LINEA T&G should be not be installed in locations in direct contact with rain, snow, standing water or prolonged direct sunlight. Soffits, overhangs and other covered spaces are ideal. Veneer/composite materials are NOT suitable for exterior environments.
	Internal Core Veneer	LINEA T&G cores are made from Class A fire rated MDF or Particleboard composite materials. Cores can be specified as FSC Certified and with No Added Urea Formaldehyde (NAUF)
	FINISHES	
	Interior	LINEA T&G for interior applications are factory finished smooth in a Clear 10* matte sheen in either a solvent-based or low voc water-based coating depending on customer specifications. Tinted clear finishes, custom stains and painted finishes are also available. Sheen options include matte, satin, or semi-gloss.
	Exterior	LINEA T&G (solid wood only) for exterior applications are factory finished smooth in a Clear 10* matte sheen low voc water-based coating. Tinted clear or custom stains are also available. Sheen options include matte, satin, or semi-gloss. <i>Contact LINEA for more information.</i>
	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	
	Solid Wood	LINEA T&G panels in solid wood are milled and sold by the Linear Foot as individual slats with face widths determined by species. Solid wood face widths range between 3 – 6 inches (nominal). Some solid wood T&G panels may be available in longer lengths up to 14'. <i>Contact LINEA for details.</i>
	Veneer	LINEA T&G panels in Veneer are sold by the Linear Foot and are available in any size up to 12" wide and 8' long. Some veneer/composite products may be available oversized up to 10'. <i>Contact LINEA for details.</i>
	Beveled Edges	LINEA recommends a small V or Kerf beveled edge be applied to the longitudinal edge of the slats. In veneers, the internal composite MDF or Particleboard core may be slightly visible when a beveled edge is applied.
	Tolerances	LINEA panels are built in accordance with CISCA dimensional tolerances.
	TECHNICAL DATA	
	Fire Rating Solid Wood	FX Lumberguard or FX Lumberguard XT chemical fire retardants are factory applied to all LINEA T&G panels prior to further finishing to achieve a Class A Fire Rating when tested to ASTM E-84 (USA) and CAN/ULC S102 (Canada). When site cutting is required, FX Lumberguard can be re-applied to the cut locations and re-sealed to bring the panel back into conformance. Other typically applied chemical fire retardants or intumescent finishes may be used in lieu of FX Lumberguard to achieve Class A Fire Rating. In some cases, the specifying consultant may need to file an Alternate Solution with local authorities for approval. LINEA suggests consulting with local building code consultants during the specifying stage to avoid any potential issues related to Fire Rating.
	Fire Rating Veneer/ Composite	LINEA T&G panels with real wood or engineered wood veneers are laminated to Class A Fire Rated Composite MDF or Particle Board cores. The combination of Wood Veneer and Finish is less than 1mm thick (0.5mm in most cases) and therefore should not be considered significant to the overall rating.
	Acoustics	LINEA T&G is considered acoustically reflective. For sound diffusion, add LINEA Microperforations (Veneer Only)
	Seismic	LINEA T&G panels are engineered for applications in all seismic areas when installed per LINEA installation instructions.
	Installation T&G Wall	LINEA T&G panels are designed for continuous installation with Linea T&G Clips or by Glue/Pin method. Panels are typically pinned or screw fasteners at 12, 16 or 24-inch intervals to the support grid behind. Local building codes should be consulted in order to determine additional seismic requirements.
	Installation Ceiling	LINEA T&G panels are designed to be installed to 15/16" HD T-bar or other strapping using Linea Z-Clips or by Glue/Pin method at 12, 16 or 24-inch intervals. Local building codes should be consulted in order to determine additional seismic requirements.
	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>

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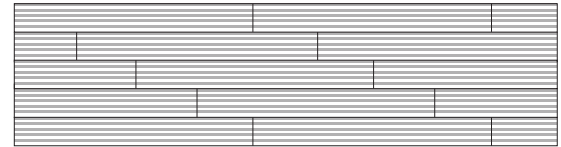


ACOUSTICS

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Pattern Considerations



Linea T&G is typically installed in a **Staggered** pattern to minimize joint layout. Staggered joints are recommended for areas wider than 8'



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

Appearance

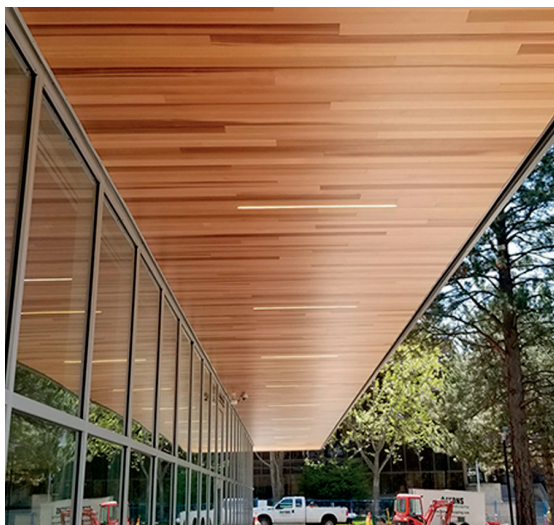
Variation among wood panel appearance may occur due to the natural characteristics of real wood and wood grain. Variation may be reduced, but not eliminated by using custom stains, tinted clear finishes or engineered wood veneers.

Fire Performance

Individual product components (*wood, fabric, 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

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