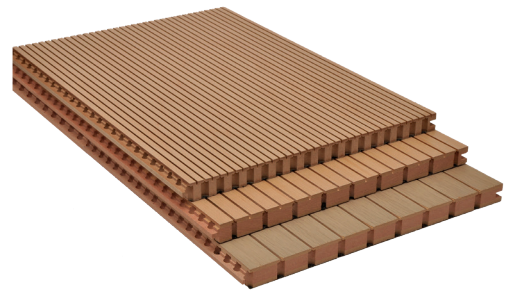


## LINEA **ACOUSTIC KERF**—*Tongue and Groove*

LINEA Acoustic is an interior wall and ceiling panel system that provides a continuous appearance and is ideal for small, medium or large interior spaces where noise control is important. LINEA Acoustic Kerf showcases a finished face with custom V-groove machining designed to absorb, funnel and transfer sound energy through the internal core to the sound absorbing media behind. LINEA Acoustic Kerf is available in a wide variety of real wood or engineered veneer options or in painted finishes. When combined with acoustical insulation, LINEA Acoustic Kerf can achieve exceptionally high acoustic performance.

### SPECIFICATION—*example*

Type	—LINEA Acoustic Kerf—T&G
Wood Species	—Select Wood Veneer—See chart
Panel Size	—Nominal 6" or 12" Wide x 96" Long
Panel Depth	—3/4"
Kerf Spacing	—Standard Sizes—8mm, 16mm, 24mm and 32mm
Finish	—Natural Clear, Custom Stained or Tinted Clear Finishes in <i>Matte, Satin or Semi-Gloss Sheen</i>
Backer	—Black SoundTex® Acoustic Backer
Fire Rating	—Class A per ASTM E-84 (USA) and CAN/ULC S102 (Canada)



*Linea Acoustic Kerf*

### LINEA Acoustic Kerf – Tongue and Groove | Veneer Only

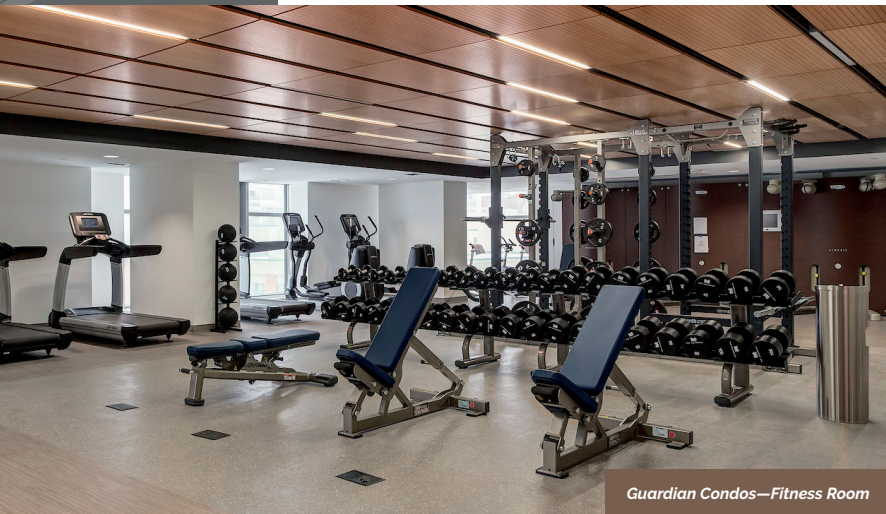
		Panel Size—USA (Inches)			Panel Size—Metric (mm)		
Kerf Spacing	Nominal	Depth	Width	Length	Depth	Width	Length
8, 16, 24, 32	12 inch	3/4	11-3/8	96	19	288	2438
8, 16, 24, 32	6 inch	3/4	5-5/8	96	19	144	2438



*Telus-Gardens*

# LINEA ACOUSTIC KERF-T&G

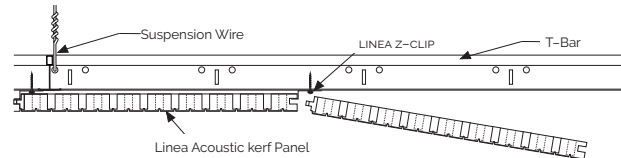
## PRODUCT DATA SHEET



Guardian Condos—Fitness Room

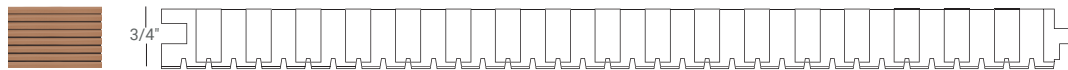
### LINEA ACOUSTIC KERF-T&G

- Comes in a wide variety of real wood and engineered wood veneers or painted finishes
- Create a continuous ceiling or ceiling cloud
- SoundTex® acoustical fabric improves sound absorption
- Standard or custom configurations, panel sizes, colors and low VOC finishes
- Easily installed with Linea T&G Clips, Aluminum Z-Clips/Bar or other hardware options
- Class A Fire Rated per ASTM E-84 and CAN/ULC S102 is standard
- FSC Certified and other responsibly harvested wood options (PEFC) available
- 95+% recycled MDF or Particleboard composite core with No Added Urea Formaldehyde (NAUF)
- Designed for all seismic areas
- A variety of matching trim options are available

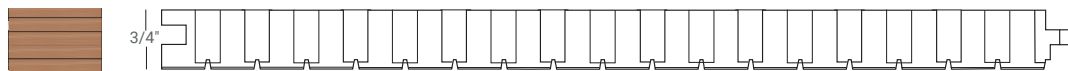


ACOUSTIC KERF – Typical Panel | Section Detail

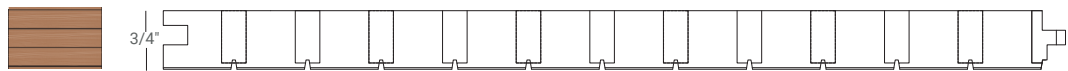
### LINEA ACOUSTIC KERF | Common Configurations



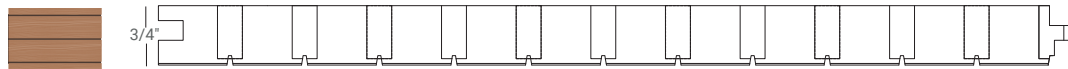
ACOUSTIC KERF PANEL – 8mm | Section Detail



ACOUSTIC KERF PANEL – 16mm | Section Detail



ACOUSTIC KERF PANEL – 24mm | Section Detail



ACOUSTIC KERF PANEL – 32mm | Section Detail

### Wood Species

\*See our species sheet for more options.

#### Common Wood Veneer Species



White Oak



Walnut



Maple



Birch



Douglas Fir



Cherry



White Washed



Light Cherry



Dark Cherry



Walnut

#### Simulated Finishes

### PHYSICAL DATA



#### WOOD SELECTIONS

<b>Wood Species</b>	LINEA Acoustic Kerf may be specified in a wide variety of real wood or engineered wood veneers.
<b>Internal Core</b>	LINEA Acoustic Kerf cores are made from Class A fire rated, 95+% recycled MDF or Particleboard composite materials. Cores can be specified as FSC Certified and with No Added Urea Formaldehyde (NAUF)



#### FINISHES

<b>Finishes</b>	LINEA Acoustic Kerf is factory finished smooth with a Clear, 20-35° Satin Sheen, in either a solvent-based or low VOC water-based coating depending on customer specifications. Custom Stains as well as other Clear and Painted finishes are available in <i>Matte, Satin or Semi-Gloss Sheens</i> .
<b>Acoustic Fabric</b>	The back of the LINEA Acoustic Kerf has a factory applied SoundTex acoustic fabric backer for enhanced sound absorption.



#### PANEL SIZES

<b>Panel Sizes</b>	LINEA Acoustic Kerf T&G panels are manufactured and sold as full 8' (2438mm) lengths and in nominal 6" and 12" widths. Contact LINEA for other size options.
<b>Tolerances</b>	LINEA panels are built in accordance with CISCA dimensional tolerances.



#### TECHNICAL DATA

<b>Fire Rating</b>	LINEA Acoustic Kerf panels with real wood or engineered wood veneers are laminated to Class A Fire Rated, 100% recycled MDF or Particle Board composite 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.
<b>Acoustics</b>	LINEA Acoustic Kerf panels come standard with SoundTex acoustic backing for enhanced sound absorption. When paired with acoustical insulation or duct liner behind, the LINEA Acoustic Kerf panels can achieve medium to high sound absorption.
<b>Seismic</b>	LINEA Acoustic Kerf panels are engineered for applications in all seismic areas when installed per LINEA installation instructions
<b>Suspension System—Ceiling</b>	LINEA Acoustic Kerf panels are commonly suspended from, but not limited to, 15/16" Heavy Duty T-Grid using no less than 12—gauge steel wire.
<b>Suspension System—Wall</b>	LINEA Acoustic Kerf panels are commonly mounted to walls via plywood strapping or furring, Steel Studs, etc.
<b>Installation T&amp;G—Wall</b>	LINEA Acoustic Kerf panels are designed for continuous installation with Linea T&G Clips or Aluminum Z-Clip/Rail. Panels are typically screw fastened at 24—inch intervals to the support grid behind. Local building codes should be consulted in order to determine additional seismic requirements.
<b>Installation T&amp;G—Ceiling</b>	LINEA Acoustic Kerf panels are designed for continuous installation to the underside of 15/16"HD T-bar using Linea T&G Clips and screw fasteners. Panels are typically screw fastened at 24—inch intervals to the support grid. Local building codes should be consulted in order to determine additional seismic requirements
<b>Warranty</b>	1 Year Warranty on all LINEA panel products. <i>Contact LINEA for details.</i>



#### SHIPPING AND SITE CONDITIONS

<b>Shipping</b>	LINEA products are carefully packaged and shipped in palletized wooden crates.
<b>Site Conditions</b>	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 KERF-T&G

## PRODUCT DATA SHEET



### ACOUSTICS

LINEA ACOUSTIC KERF panels can achieve high NRC (0.95) and SAA (0.99) Ratings

LINEA ACOUSTIC KERF	E-400 – NRC/SAA	TYPE A – NRC/SAA
8mm	0.95 / 0.99	0.95 / 0.96
16mm	0.85 / 0.86	0.90 / 0.91
32mm	0.65 / 0.66	0.75 / 0.77

**Test Results Disclaimer:** Test results achieved by 3rd party, NVLAP accredited laboratory testing and in accordance with ASTM C423; Mounting per ASTM E795: Type E-400 and Type A; and achieved with 1-1/2" thick, 2 lb/ft<sup>3</sup> acoustical infill. Results in field may differ from test lab results due to the varying and unique environmental characteristics of each space and location.



SFU—Simon Fraser University



### Pattern Considerations



Acoustic Kerf T&G can be installed as **Symmetrical** giving a linear appearance or **Staggered** to minimize joint layout. Staggered joints are recommended for areas wider than 8'



### 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

A selection of standard LINEA Acoustic Kerf panels have been lab tested per ASTM C423 for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method. This test method covers the measurement of sound absorption in a reverberation room by measuring decay rate. Due to assemblies varying on a project-by-project basis, not all configurations have been tested.



**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 ( <i>location dependent</i> )
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