LINEA
CEILING & WALL SYSTEMS

LINEA **ACOUSTIC KERF T&G**

LINEA Acoustic Kerf T&G (Tongue & Groove) 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 T&G 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 T&G 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*

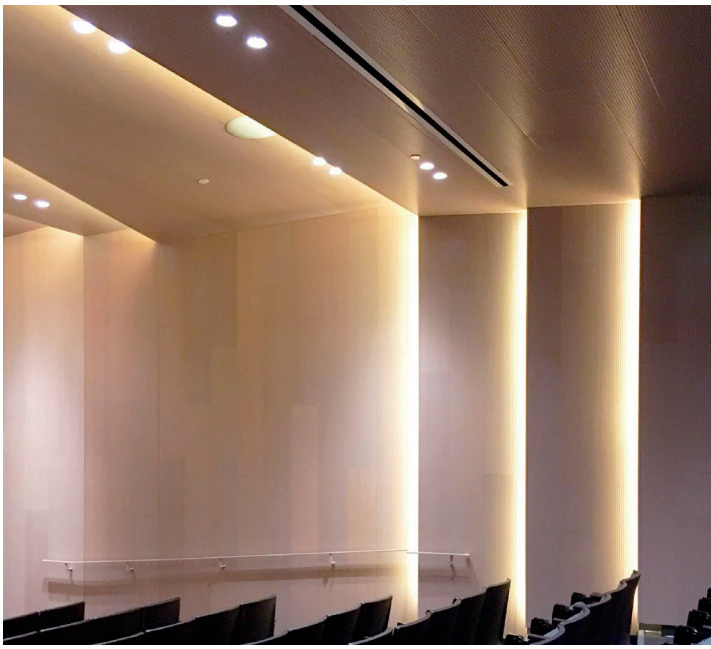
Type:	LINEA Acoustic Kerf T&G
Wood Species:	Select Wood Veneer–See chart
Panel Size:	6", 8" or 12" Wide x 8' or 10' Long
Panel Depth:	3/4"
Kerf Spacing:	8mm, 16mm, 24mm and 32mm
Finish:	Natural Clear, Custom Stained or Tinted Clear Finishes in Matte, Satin or Semi–Gloss Sheen
Backer:	Soundtex® Acoustic Backer
Fire Rating:	Class A per ASTM E–84 (USA) and CAN/ULC S102 (Canada)



Linea Acoustic Kerf T&G

FEATURES | BENEFITS

- Comes in a wide variety of real wood and engineered wood veneers or painted finishes
- Ability to create a continuous ceiling or ceiling cloud
- Soundtex® acoustical fabric improves sound absorption
- Available in 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
- Recycled MDF core with No Added Urea Formaldehyde (NAUF)
- Designed for all seismic areas
- A variety of matching trim options are available
- Available with LINEA Textured Face



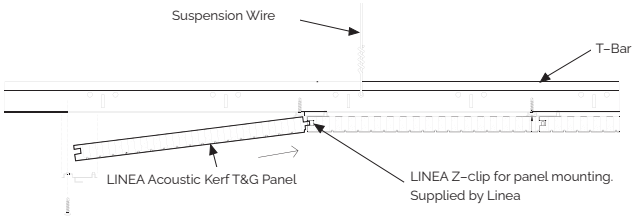
**Product information is subject to change without notice.*

Revision Date: November 2023

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LINEA Acoustic Kerf T&G | Veneer Only							
Panel Profile Options		**Panel Size–USA (Inches)**			**Panel Size–Metric (mm)**		
Kerf Spacing	Nom Width*	Depth	Net Size	Length	Depth	Net Size	Length
8, 16, 24, 32mm	12"	3/4	11.33	8' or 10'	19	288	2438 or 3040
8, 16, 24, 32mm	8"	3/4	7.56	8' or 10'	19	192	2438 or 3040
8, 16, 24mm	6"	3/4	5.67	8' or 10'	19	144	2438 of 3040
*Panels are machined less than nominal width							
Custom Kerf spacing is available. ***Contact a LINEA representative for more details***							

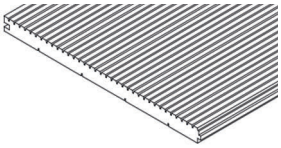
Section Details & Custom Configurations



8mm







16mm



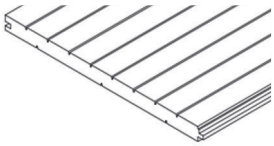




32mm







Available With: LINEA Textured Face



PHYSICAL DATA

WOOD SELECTIONS	
Wood Species	LINEA Acoustic Kerf T&G may be specified in a wide variety of real wood or engineered wood veneers.
Internal Core	LINEA Acoustic Kerf T&G cores are made from Class A fire rated, recycled MDF materials. Cores can be specified as FSC Certified and with No Added Urea Formaldehyde (NAUF)
FINISHES	
Finishes	LINEA Acoustic Kerf T&G for interior applications are factory finished smooth in a clear low VOC coating, clear finishes, custom stains and painted finishes are also available. Sheen options include matte, satin, or semi–gloss.
Acoustic Fabric	The back of the LINEA Acoustic Kerf T&G has a factory applied SoundTex® acoustic fabric backer for enhanced sound absorption.
Surface Texture	Surface appearance as smooth or LINEA Textured Face.
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 attackand the effects will last over time.
PANEL SIZES	
Panel Sizes	LINEA Acoustic Kerf T&G panels are manufactured and sold as full 8' or 10' (2438 or 3048mm) lengths and in nominal 6", 8" or 12" widths. *Contact LINEA for other size options.*
Tolerances	LINEA panels are built in accordance with CISCA dimensional tolerances.
TECHNICAL DATA	
Fire Rating	LINEA Acoustic Kerf T&G panels with real wood or engineered wood veneers are laminated to Class A Fire Rated, recycled MDF or Particleboard 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.
Acoustics	LINEA Acoustic Kerf T&G 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.
Seismic	LINEA Acoustic Kerf T&G panels are engineered for applications in all seismic areas when installed per LINEA installation instructions.
Installation	LINEA Acoustic Kerf T&G panels are commonly suspended from, but not limited to, 15/16" Heavy Duty T–Grid, Steel Studs, Wood Furring/Strapping, etc. by way of mechanical screw fastening or LINEA clip hardware. Local building codes should be consulted to determine additional seismic requirements
Warranty	1 Year Warranty on all LINEA panel products. *Contact LINEA for details.*
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). *Failure to maintain site conditions will void the LINEA warranty*

LINEA ACOUSTIC KERF T&G

PRODUCT DATA SHEET

ACOUSTICS

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

LINEA ACOUSTIC KERF T&G	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
24mm	0.75 / 0.76	0.85 / 0.86
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/ft³ acoustical infill. Results in field may differ from test lab results due to the varying and unique environmental characteristics of each space and location.



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'*



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 slat appearance may occur due to the natural characteristics of real wood and wood grain. Variation may be reduced, by using custom stains, tinted clear finishes or engineered wood veneers.

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 intalling sprinklers in addition to WWusing 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 T&G 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.

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