

## LINEA PLANK

LINEA Plank is a customizable panelized linear wood slat system designed for interior and exterior wall and ceiling installations. LINEA Plank is composed of multiple wood slats oriented flat to the mounting surface. LINEA Plank is available in a wide variety of solid wood or real wood veneer options, comes in standard or custom sizes, standard or custom spacing configurations and in standard, custom or simulated finishes. When combined with acoustical insulation, When combined with LINEA PET Backer or acoustical insulation, LINEA Plank can achieve exceptionally high acoustic performance.

### SPECIFICATION—*example*

**Type:** LINEA Plank

**Panel Size:** 12" W, 3'-10' ( less 1" for reveal )

**Finishes:** Natural Clear, Custom Stained or Clear Finishes in *Matte, Satin or Semi-Gloss Sheen*

**Assembly:** Wood Backer, Flexible Backer or LINEA PET Backer.

**Fire Rating:** Class A per ASTM E-84 (USA) and CAN/ULC S102 (Canada)

**Fabric Backer:** Optional—See Technical Data for info.



Linea Plank

### FEATURES | BENEFITS

- Available in a wide variety of solid wood and wood veneers
- Standard or custom configurations, slat sizes, spacing, colors and low voc finishes.
- Easily installed with Wood Backers, Flexible Backers for radius applications or LINEA PET Backer available in multiple colors. Some restrictions may apply.
- Ideal for Interior or covered Exterior applications
- Class A Fire Rated per ASTM-84 and CAN/ULC S102 is standard.
- FSC Certified and other responsibly harvested wood options available, including PEFC
- Designed for seismic and non-seismic areas
- Can be customized to reduce field cutting
- Can be manufactured for easy downward accessibility where required.
- Available with LINEA Textured Face or MicroPerforations for additional acoustical performance



# LINEA PLANK

## PRODUCT DATA SHEET

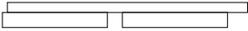
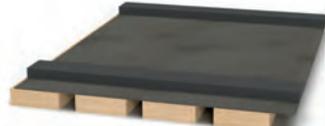
LINEA Plank				Blade Profiles & Reveal Options					
				USA (in)			Metric (mm)		
Blades / Panel	Panel Width	Nominal	Substrate	Depth	Width	Reveal	Depth	Width	Reveal
4	18" (457mm)	1 x 4	HW & V	3/4	3-3/4	3/4	19	95	19
4	12" (305mm)	1 x 3	SW	11/16	2-1/4	3/4	16	57	19
4	12" (305mm)	1 x 3	HW & V	3/4	2-1/4	3/4	19	57	19
3	12" (305mm)	1 x 4	SW	11/16	3-1/4	3/4	16	82	19
3	12" (305mm)	1 x 4	HW & V	3/4	3-1/4	3/4	19	82	19
2	12" (305mm)	1 x 6	SW	11/16	5-1/4	3/4	16	133	19
2	12" (305mm)	1 x 6	HW & V	3/4	5-1/4	3/4	19	133	19
Tapered Plank									
2	12" (305mm)	Taper	Veneer	3/4	3-1/4 - 7-1/4	1/4	19	82 - 184	6
4	24" (610mm)	Taper	Veneer	3/4	3-1/4 - 7-1/4	1/4	19	82 - 184	6

**SW**–Softwood; **HW**–Hardwood; **V**–Veneer

Solid, Softwoods are milled to 5/8" or 11/16" thickness. Solid Hardwoods are milled to 11/16" or 3/4" thickness

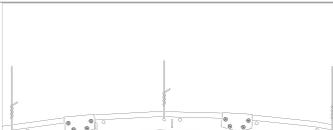
Nominal Sizes are not actual and are milled less than noted size.  
Slat thickness and depth may vary between Softwoods, Hardwoods and Veneer

Additional thickness, depth and blades /LF options are available. **Contact a LINEA representative for more details**

LINEA PLANK <i>example</i>	WOOD BACKERS PAINTED BLACK	FABRIC BACKER	PET BACKER
<b>LP2M 1 x 3</b> 6" (152mm) O/C Spacing 			
<b>FABRIC BACKER</b> <b>LP3M 1 x 4</b> 4" (102mm) O/C Spacing 			
<b>PET BACKER</b> <b>LP4M 1 x 4</b> 3" (76mm) O/C Spacing 			

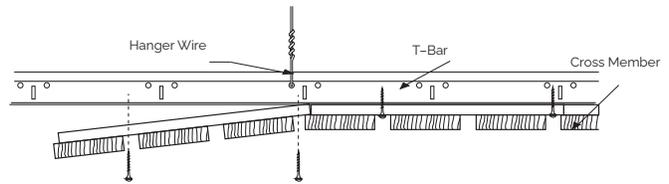
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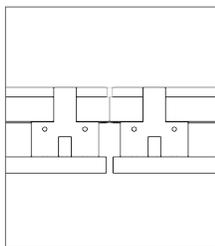
<p><b>Tapered Plank</b> 2 Blade</p>			
<p><b>4 Blade</b></p>			
<p><b>Flexible Backer</b> LP3M 1 x 4 2" (51mm) O/C Spacing</p>			
			
<p><b>DISCLAIMER</b></p>			
<p>LINEA Plank constructed with Flexible Backers can achieve a radius, but the radius is limited by the slat width chosen. Flexible Backers for convex or concave appearance.</p>			

### Installation Section Detail

showing direct screw attachment

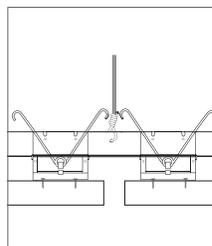


Alternate options to consider for installation.



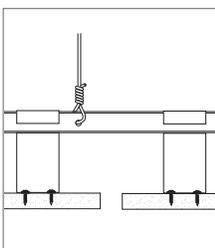
#### T-HOOK

Designed to simply lift, drop and lock in place using T-Bar suspension and clips. Panels greater than 2' x 2' may require additional stabilizing support fixed to the back (by others).



#### TORSION SPRING

Panel is designed for downward accessibility by way of torsion spring clips fixed to 15/16" [24mm] HeavyDuty grid Panels greater than 2' x 2' may require additional stabilizing support fixed to the back (by others).



#### CHANNEL HANGER

Designed to simply lift, drop and lock in place using C-Channel suspension and clips. Panels greater than 2' x 2' may require additional stabilizing support fixed to the back (by others).

### PHYSICAL DATA

WOOD SELECTIONS	
<b>Wood Species</b> <i>Interior</i>	LINEA Plank may be specified in a wide variety of solid woods as well as natural or engineered wood veneers pressed on composite MDF core with matching edge banding
<b>Wood Species</b> <i>Exterior</i>	LINEA Plank may be specified in Western Hemlock, Douglas Fir, Western Red Cedar or Alaskan Yellow Cedar. Vertical Grain is recommended for structural stability. LINEA Plank 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.
FINISHES	
<b>Finishes</b> <i>Interior</i>	LINEA Plank 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.
<b>Finishes</b> <i>Exterior</i>	LINEA Plank (solid wood only) for exterior applications are factory finished smooth in a clear low VOC coating. clear finishes or custom stains are also available. Sheen options include matte, satin, or semi-gloss. <i>Contact LINEA for more information.</i>
<b>Surface Texture</b>	Surface appearance as smooth or LINEA Textured Face. Texture options include: Fine, Medium, or Coarse.
<b>Fabric Backer</b>	Optional factory-attached Fabric Backer is available for LINEA Plank products upon request. Unevenness in the Fabric Backer is NOT considered a manufacturing defect and may be further magnified by lighting conditions on site. Lighting conditions are the responsibility of the Design Consultant and should be considered when specifying.
<b>Antibacterial</b>	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	
<b>Panel Sizes</b>	LINEA Plank panels are manufactured and sold as 12" wide and in 12" increments from 3' - 8' long (less 1" for reveal). Some solid wood or veneer/composite products may be available oversized up to 10'. <i>Contact LINEA for details</i>
<b>Tolerances</b>	LINEA panels are built in accordance with CISCA dimensional tolerances.
TECHNICAL DATA	
<b>Fire Rating</b> <i>Solid Wood</i>	Fire retardants are factory applied to all LINEA Plank wood slats 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, fire retardants can be re-applied to the cut locations and re-sealed to bring the panel back into compliance. Other typically applied chemical fire retardants or intumescent finishes may be used 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.
<b>Fire Rating</b> <i>Veneer/ Composite</i>	LINEA Plank panels with real wood or engineered wood veneers are laminated to Class A Fire Rated Composite MDF 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 Plank panels without additional acoustic insulation, will act as a sound diffuser and should be considered acoustically transparent. When paired with acoustical insulation, duct liner, or LINEA PET Backer, the panels can achieve high sound absorption.
<b>Seismic</b>	LINEA Plank panels are engineered for applications in all seismic areas when installed <i>per LINEA installation instructions</i> .
<b>Installation</b>	LINEA Plank panels are fixed via direct screw attachment or with other installation methods. 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>

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### ACOUSTICS

LINEA PLANK panels can achieve medium to high NRC and SAA Ratings

LINEA PLANK	E-400 – NRC/SAA	TYPE A – NRC/SAA
2 Slats per 12”	0.50 / 0.52	0.70 / 0.72
3 Slats per 12”	0.60 / 0.62	0.70 / 0.74
4 Slats per 12”	0.70 / 0.71	0.70 / 0.74

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.



### Pattern Considerations



Reveals (1”) can be **Symmetrical** giving a linear appearance or **Staggered** to minimize joint layout



### Disclaimers

#### Appearance

Variation among wood slat 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, 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 installing 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 Plank 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

\*Product information is subject to change without notice.

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