

LINEA MIXED GRILLE

LINEA Mixed Grille is a panelized linear wood slat system designed for interior and exterior wall and ceiling installations. LINEA Mixed Grille is composed of wood slats in both Grille and Plank orientation which creates a textured appearance. LINEA Mixed Grille is available in a wide variety of solid wood options, comes in standard or custom sizes, in standard or custom spacing configurations and in standard, custom or simulated finishes. When combined with LINEA PET Backer or acoustical insulation, LINEA Mixed Grille can achieve exceptionally high acoustic performance..

SPECIFICATION—*example*

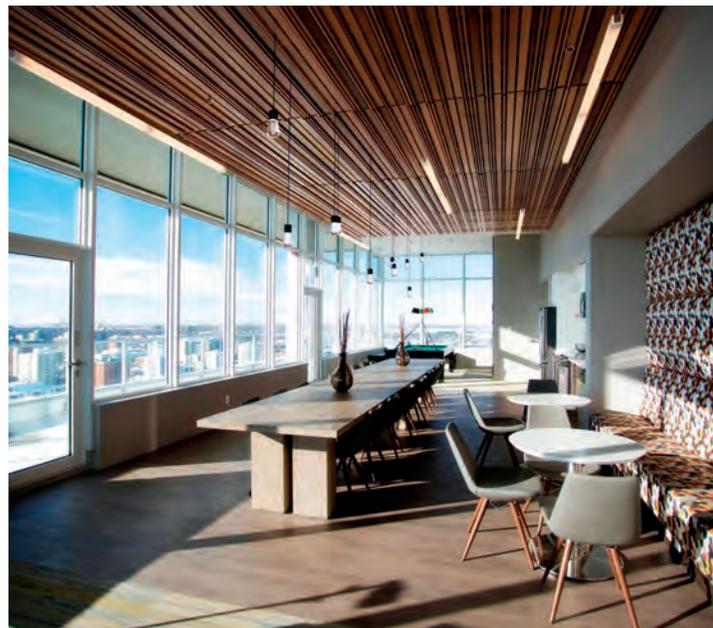
- Type:** LINEA Mixed Grille
- Wood Species:** See chart
- Core:** Solid Wood
- Panel Size:** 20" W x 3' to 10' (less 1" for reveal)
- Blade Size:** Grille—5/8" x 1-3/8" (16 x 35mm)
Plank—5/8" x 2-1/4" (16 x 57mm)
- Spacing:** Typical—10 Blades / 20" W Panel
Custom Options are also available."
- Finish:** Natural Clear, Custom Stained or Tinted Clear Finishes in Matte, Satin or Semi-Gloss Sheen
- Assembly:** Wood Backer, Flexible Backer or LINEA PET Backer
- Fabric Backer:** Optional—See Technical Data for info
- Fire Rating:** Class A per ASTM E-84 (USA) and CAN/ULC S 102(Canada)



Linea Mixed Grille

FEATURES | BENEFITS

- Random Patterns give a textured appearance.
- Available in a wide variety of solid wood species or simulated wood finishes.
- 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. Additional application can be wrapped around columns.
- Class A Fire Rated per ASTM E-84 and CAN/ULC S102 is standard.
- FSC Certified and other responsibly harvested wood options available.
- Slat size, spacing and orientation can be customized
- Can be manufactured for easy downward accessibility where required

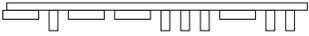


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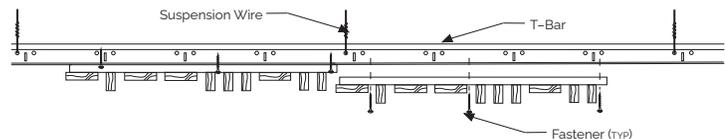
PRODUCT DATA SHEET

LINEA Mixed Grille	Panel Size D X W X L	Blades/Panel	Grille Dim	Plank Dim	Reveal Gap
Dimensions USA (in)	1-7/8 x 20-1/4 x 95	10	(6) 5/8 x 1-3/8	(4) 5/8 x 2-1/4	11/16
Dimensions metric (mm)	48 x 515 x 2413	10	(6) 16 x 35	(4) 16 x 57	17

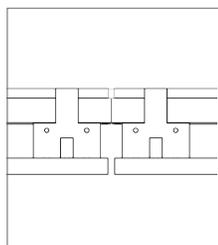
Contact **LINEA** for other sizing options and configurations

LINEA MIXED GRILLE <i>example</i>	WOOD BACKERS PAINTED BLACK	FABRIC BACKER
		
LMG GRILLE: 5/8" X 1-1/8" (16 X 35mm) PLANK: 5/8" x 2-1/4 (16 x 35mm)		
	PET BACKER	

Installation Section Detail
 showing direct screw attachment

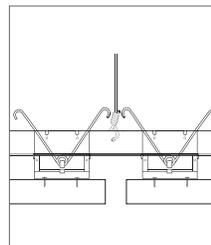


Alternate options to consider for installation.



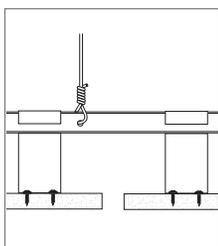
T-HOOK

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).

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PRODUCT DATA SHEET

PHYSICAL DATA

WOOD SELECTIONS	
Wood Species <i>Interior</i>	LINEA Mixed Grille may be specified in a wide variety of solid woods. <i>Contact Linea for details.</i>
Wood Species <i>Exterior</i>	LINEA Mixed Grille made from Western Hemlock, Douglas Fir, Western Red Cedar or Alaskan Yellow Cedar are suitable for exterior applications. Avoid installation locations in contact with rain, snow, standing water or prolonged direct sunlight. Covered Soffits are OK. Veneer/composite materials are not suitable for exterior environments.
FINISHES	
Finishes <i>Interior</i>	LINEA Mixed Grilles for interior applications are factory finished smooth in a low VOC coating. Clear finishes, custom stains and painted finishes are also available. Sheen options include matte, satin, or semi-gloss.
Finishes <i>Exterior</i>	LINEA Mixed Grilles (solid wood only) for exterior applications are factory finished smooth in a Clear matte sheen low VOC exterior rated coating. 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 is smooth.
Fabric Backer	Optional factory-attached Fabric Backer is available for LINEA Grille products upon request. LINEA does not recommend Fabric Backer for panels with slat spacing greater than 3" on center as the Fabric Backer may sag or become untucked from the adjacent panel due to lack of support. 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 the optional Fabric Backer.
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	
Panel Sizes	LINEA Mixed Grille is typically manufactured and sold as 20" wide and in 12" increments from 3' - 10' long (less 1" for reveal). Linea Mixed Grille may be customized to suit designer specifications. Some solid wood products may be available oversized up to 10'. <i>Contact LINEA for details.</i>
Tolerances	LINEA panels are built in accordance with CISCA dimensional tolerances.
TECHNICAL DATA	
Fire Rating <i>Solid Wood</i>	Fire retardants are factory applied to all LINEA Mixed Grille 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 topically 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.
Acoustics	LINEA Mixed Grille 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.
Seismic	LINEA Mixed Grille panels are engineered for applications in all seismic areas when installed <i>per LINEA installation instructions.</i>
Installation	LINEA Mixed Grille panels are fixed via direct screw attachment or with other installation clip methods. Local building codes should be consulted in order to determine additional seismic requirements.
Warranty	1 Year Warranty on all LINEA panel products. <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>

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PRODUCT DATA SHEET



ACOUSTICS

LINEA Mixed Grille can achieve medium to high NRC and SAA ratings when paired with other sound absorbing materials such as acoustic insulation or LINEA PET Backer. *Results pending.*



Pattern Considerations



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



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.

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 WW 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 Mixed Grille 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 (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

*Product information is subject to change without notice.

Revision Date: November 2023