

LINEA TEGULAR GRILLE CEILING TILE

LINEA Tegular Grille Ceiling Tile is a simple to install alternative to our traditional LINEA Grille product. These ceiling tiles are manufactured in standard sizes (2 x 2, 2 x 4) and designed to lay into most standard 15/16" T-bar suspension systems. LINEA Tegular Grille Ceiling Tile is available in a wide variety of solid wood species and finishing options for design flexibility. When combined with LINEA PET Backer or acoustical insulation, LINEA Tegular Grille Ceiling Tile can achieve exceptionally high acoustic performance.

SPECIFICATION—EXAMPLE

- Type:** LINEA Tegular Grille Ceiling Tile
- Wood Species:** See chart
- Slat Size:** 5/8" x 1-3/8"
- Finish:** Natural Clear, Custom Stained or Clear Finishes in *Matte*, *Satin* or *Semi-Gloss* Sheen.
- Assembly:** Wood 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 Tegular Grille Ceiling Tile

FEATURES | BENEFITS

- Ready to install, fully accessible panels
- Available in a wide variety of solid wood species and finishes
- Custom or Standard configurations can be mixed and matched
- Designed to virtually hide suspension system above
- LINEA PET Backer available in many colors. (Some restrictions apply).
- Class A Fire Rated per ASTM E-84 and CAN/ULC S102 is standard
- FSC Certified and other responsibly harvested wood options available.
- Designed for use in all seismic areas
- Optional fabric backer available
- Solid wood trim options available



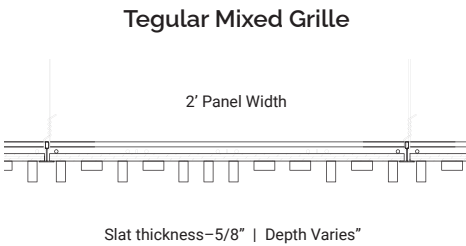
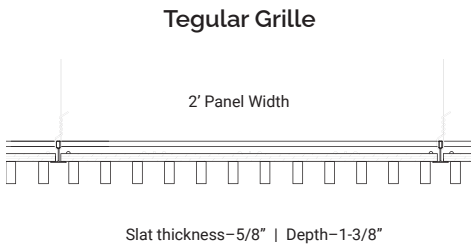
LINEA TEGULAR GRILLE CEILING TILE

PRODUCT DATA SHEET

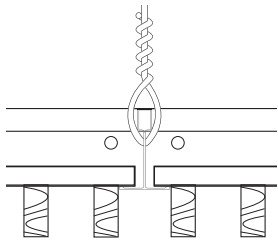
LINEA TEGULAR GRILLE CEILING TILES—STANDARD SIZES				
Type	Slats per 2' Panel	Slat Dims USA (in)	Slat Dims Metric (mm)	Nominal Sizes
Typical Grille	12	5/8 X 1-3/8	16 x 35	2x2, 2x4
Mixed Grille	12	5/8 X 1-3/8	16 x 35	2x2, 2x4

* Contact **Linea** for custom sizing options

Section Detail



Lay-In | Detail



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PHYSICAL DATA

WOOD SELECTIONS	
Wood Species	LINEA Tegular Grille Ceiling Tile may be specified in a wide variety of solid woods.
FINISHES	
Finishes	LINEA Tegular Grille Ceiling Tile for interior applications are factory finished smooth in a low VOC coating. Tinted clear finishes, custom stains and painted finishes are also available. Sheen options include matte, satin, or semi-gloss.
Fabric Backer	Optional factory-attached Fabric Backer is available for LINEA Tegular Grille Ceiling Tile 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 Tegular Grille Ceiling Tile is manufactured and sold as nominal sizes 2x2, 2x4.
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 Tegular 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 Tegular Grille Ceiling Tile without additional acoustic insulation, will act as a sound diffusor 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 Tegular Grille Ceiling Tile is engineered for applications in all seismic areas when installed <i>per LINEA installation instructions</i> .
Suspension System	LINEA Tegular Grille Ceiling Tiles are commonly installed into 15/16" Heavy Duty T-Grid
Installation	LINEA Tegular Grille Ceiling Tiles are commonly suspended from, but not limited to, 15/16" Heavy Duty T-Grid, Steel Studs, Uni-Strut, 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. <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). Failure to maintain site conditions will void the LINEA warranty

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ACOUSTICS

LINEA Tegular Grille Ceiling Tile can achieve high NRC Ratings up to 0.85

LINEA TEGULAR GRILLE	OPEN AREA	TYPE E-400 – NRC
Typical Grille—12 Slats	74%	0.85
Mixed Grille—12 Slats	54%	0.85

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

LINEA Tegular Grille Ceiling Tile

Can be installed in standard *Grid Patterns*

2 x 2	2 x 4
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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 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 Tegular Grille Ceiling Tile has 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.

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