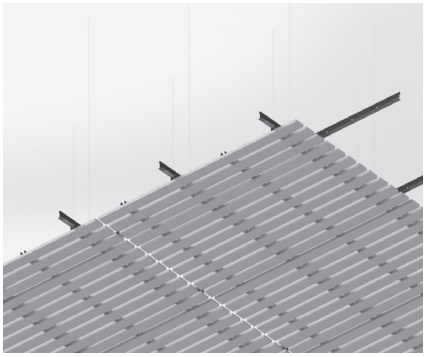
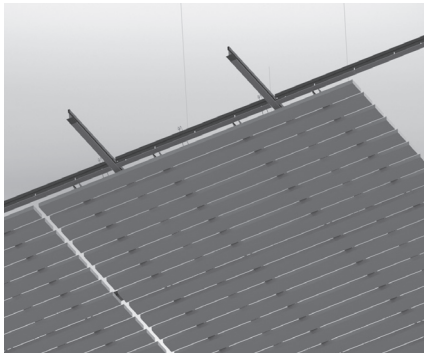
Linear Wood and Grille Ceiling

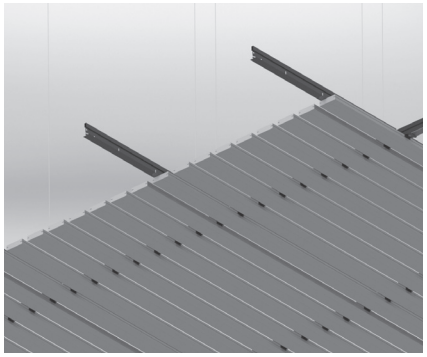
decoustics®



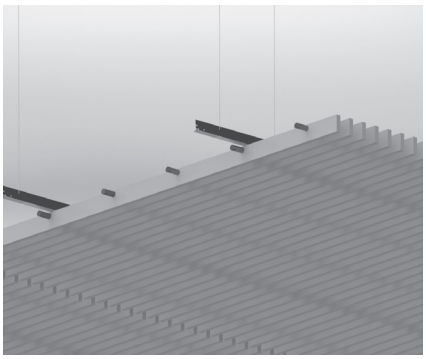
PANELIZED LINEAR WOOD



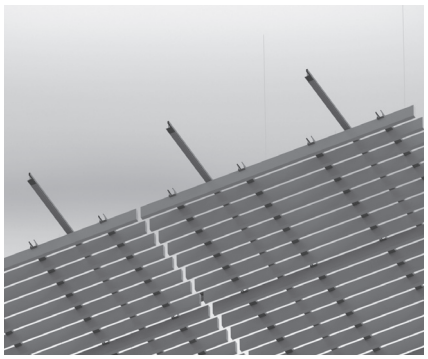
LAY-IN LINEAR WOOD



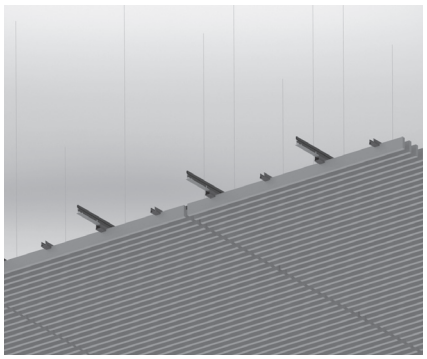
CONTINUOUS LINEAR WOOD



DOWEL GRILLE



LAY-IN GRILLE



CROSS PIECE GRILLE

DESIGN AND SPECIFICATIONS

Description

Linear Wood and Grille ceilings consist of solid (NAF) medium density fire rated fiberboard (MDF) with a natural wood veneer laminated to all visible surfaces. All Linear Wood and Grille systems install onto heavy duty 15/16" T-bar grid (not supplied by Decoustics). All Linear Wood and Grille ceiling systems are available in a variety of sizes, lengths, configurations and veneer options. FSC® certified wood is available.

Related Data

Decoustics Specification, Details, Test Data, and Installation Instructions.

Standards, Tests and Approvals

Surface Burning Characteristics (ASTM E-84): Composite panels have a Flame Spread less than 25 and Smoke developed less than 50.

Recommended Uses

Ideal for ceilings. For wall application please contact Decoustics.

Ordering

Standard lead time is 4 weeks for most small to medium sized orders. Large or custom projects may require longer lead times. FSC® certified wood is available but must be noted in the project specifications. If shop drawings are required they incur additional costs and require longer lead times (additional 4 weeks).

Ensure that the diffusers, fixtures and devices that are selected for the ceiling are appropriate for the Decoustics Linear Wood/ Grille system that is selected.

Samples

It is important that samples be approved based on the finished product and not just a sample of veneer.

Maintenance

Refer to appropriate Decoustics "Cleaning and Maintenance Instructions" for any specific finish.

Finishing of Cut Ends – Linear Wood Product Planks and Blades

Cutting through Linear Plank or Linear Grille rails will expose the MDF core material. It is recommended to finish the cut ends to seal the core material. The two recommended ways of finishing cut ends is:

1. Spray or brush coat the exposed ends of the Linear Wood/ Grille product with a high quality clear lacquer coating. Such products are available at most hardware or building supply outlets.

2. Pre-finish veneer material with a self-adhesive backing which is available upon request at additional cost. The pre-finished veneer can be cut to the desired size and adhered to the cut ends utilizing the self-adhesive backing. Once attached to the linear wood product the excess material can be trimmed with a knife or sanded flush to the exterior profile of the cut end.

Suggested Tools

Traditional woodworking tools are suitable for cutting Linear Wood and Grille ceilings. Decoustics recommends using large diameter chop saws or radial saws having a carbide blade with a sharp, thin-kerf, 80 tooth - at 10" (254 mm) diameter - and alternating 40° bevel. Cut plank with face up to avoid scratching.

Note: A traditional table saw would require the plank to be cut much slower to avoid tear-out or chipping. If cutouts are required for round fixtures, Decoustics recommends a router and template method using a quality spiral-down carbide flute cutting bit.

Installation

Linear Wood and Grille ceilings should be installed by qualified finish carpenters in accordance with the Millwork section of the specification. Proper tools and construction skills should be employed.

Consult local code for seismic requirements for ceiling suspension systems. (Suspension systems not supplied by Decoustics)

Environment

Linear Wood and Grille ceilings must be stored, installed, and maintained only in a stable ambient environment (relative humidity of minimum 35% - maximum 55%, temperature to be maintained between 20 - 27°C (68-80°F)). Linear Wood and Grille ceilings must be allowed to stabilize on site for 72 hours prior to installation.

After Installation - Maintenance Requirements

Linear Wood and Grille ceilings are manufactured using real wood veneers and engineered wood components and therefore should be cared for as all other Architectural wood products are. When cleaning, vacuum panel surfaces using a non-marring, natural bristle head. Avoid hard or very short bristle cleaning heads.

Minor surface scuffing or scratches can be removed by lightly rubbing the affected area with a dry, clean pad of #0000 fine steel wool. Do not over apply. Avoid using water or a damp cloth on large surfaces as this may affect the stability of the membrane surface. Aerosol furniture polishes can be used on small areas, however, do not spray directly on the surface of the plank/panel. Apply small amounts on a soft cloth and rub gently.

Wood is a hydroscopic material, and under normal use conditions all wood products contain some moisture. Wood readily exchanges this molecular moisture with water vapor in the surrounding atmosphere according to existing relative humidity. In high humidity, wood picks up moisture and swells and in low humidity, gives up moisture and shrinks. These uncontrolled extremes may affect the structural integrity of the panels and cause visual problems. To avoid this, relative humidity should always be maintained between 35% and 55% in the area where panels are installed.

Note: The information provided in this Data Sheet is accurate to the best of our knowledge at the time of printing. However, we reserve the right to make changes when necessary without further notification. Suggested applications may need to be modified to conform with local building codes and conditions. We cannot accept responsibility for products that are not used, or installed, to our specifications. Please refer to our website for most current data.

Note: Only handle panels wearing clean, lightweight, white gloves during installation. Follow manufacturer's printed instructions for installation as well as field cutting of panels.

Decoustics Ltd. is Forest Stewardship Council® (FSC®) certified by the Rainforest Alliance

Linear Wood and Grille Ceilings

SYSTEM	STANDARD AVAILABLE LENGTHS	MODULE WIDTH	PLANK WIDTH	PLANK THICKNESS	WOOD PLANKS PER PANEL	COLOR
Panelized Linear Wood	47-1/4" (1200 mm) 59-1/4" (1505 mm) 95-1/4" (2419 mm) 119-1/4" (3029 mm)	12-1/4" (311 mm)	1-3/4" (44 mm) 2-1/4" (57 mm) 3-1/4" (83 mm) 5-1/4" (133 mm)	5/8" (16 mm)	5 4 3 2	beech cherry maple oak custom veneer on request at additional costs
Lay-in Linear Wood	47-1/4" (1200 mm) 59-1/4" (1505 mm) 95-1/4" (2419 mm)	23-1/2" (597 mm)	1-3/4" (44 mm) 2-1/4" (57 mm) 3-1/4" (83 mm) 5-1/4" (133 mm)	5/8" (16 mm)	10 8 6 4	beech cherry maple oak custom veneer on request at additional costs
Continuous Linear Wood (with or without black fiber strips)	48" (1220 mm) 60" (1525 mm) 96" (2440 mm) 120" (3050 mm)	N/A	1-3/4" (44 mm) 2-1/4" (57 mm) 3-1/4" (83 mm) 5-1/4" (133 mm)	5/8" (16 mm)	N/A	beech cherry maple oak custom veneer on request at additional costs

SYSTEM	STANDARD AVAILABLE LENGTHS	MODULE WIDTH	BLADE HEIGHT	BLADE THICKNESS	# OFWOOD BLADES PER PANEL	COLOR
Dowel Grille	47-1/4" (1200 mm) 59-1/4" (1505 mm) 95-1/4" (2419 mm) 119-1/4" (3029 mm)	12-1/4" (311 mm)	1-3/4" (44 mm) 2-1/4" (57 mm) 3-1/4" (83 mm) 5-1/4" (133 mm)	5/8" (16 mm)	5	beech cherry maple oak custom veneer on request at additional costs
Lay-in Grille	47-1/4" (1200 mm) 59-1/4" (1505 mm) 95-1/4" (2419 mm)	23-1/2" (597 mm)	1-3/4" (44 mm) 2-1/4" (57 mm) 3-1/4" (83 mm) 5-1/4" (133 mm)	5/8" (16 mm)	8	beech cherry maple oak custom veneer on request at additional costs
Cross Piece Grille	47-1/4" (1200 mm) 59-1/4" (1505 mm) 95-1/4" (2419 mm) 119-1/4" (3029 mm)	12-1/4" (311 mm)	1-3/4" (44 mm) 2-1/4" (57 mm) 3-1/4" (83 mm) 5-1/4" (133 mm)	5/8" (16 mm)	6	beech cherry maple oak custom veneer on request at additional costs

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