

Golf Ile de Soeurs, Montreal, QC, Canada / Photo Credit: © Stephane Brugger

Enabling a dimensional, linear design aesthetic, this collection of natural wood grille modules offers flexibility with multiple blade heights and widths, as well as a variety of configurations and installation methods. To complete the offering, fully-engineered solutions are available through our Decoustics® portfolio.

FEATURES AND BENEFITS

- Nominal Panel Sizes:
 - Solid Wood: Width up to 24", Length up to 120"
 - Veneer: Width up to 24", Length up to 120"
- Available in a variety of standard and custom configurations to complement design elements, installation requirements, and acoustic performance
- Optional, fully-accessible installation methods for both ceiling and wall applications
- Wide array of solid wood and veneer species, cuts, and matches
- Additional custom materials, staining, sheening, and color matching are also available upon request
- Achieve noise reduction coefficient up to 1.15 NRC
- Manufactured with sustainable wood materials
- Comprised of low-emitting materials and components
- FSC® available upon request

ATTRIBUTES



NRC
UP TO 1.15



CUSTOMIZATION
AVAILABLE



FIRE RATING:
PER ASTM E84
AND CAN/ULC-S102

CLASS A (VENEER)
CLASS C (SOLID WOOD)

LEED® v4

RECYCLED CONTENT

up to 80%

- ✓ EQ: Acoustic Performance (EQc)
- ✓ EQ: Low-Emitting Materials (EQc)¹
- ✓ MR: Regional Materials (MR Credits)²
- ✓ MR: Recycling (MRc)³
- ✓ MR: Raw Materials Sourcing (MRp2)⁴

¹ CertainTeed Wood Ceiling and Wall products meet General Emissions Evaluation per the CDPH standard; v1.2 2017

² 200% credit if project with 100 miles of manufacturing site

³ Wood products are recyclable and can be diverted from landfills and incinerators through recycling, recovery, reuse, or salvage

⁴ Ask about FSC® availability (FSC-C151918)

LEED® is a registered trademark of the U.S. Green Building Council.

CERTIFICATIONS & PRODUCT DECLARATIONS



FSC® AVAILABLE
ON REQUEST



LOW-EMITTING
MATERIALS / LOW VOC
(CDPH/EHLB/
STANDARD METHOD
VERSION 1.2, 2017)

COLORS AND FINISHES

A wide variety of solid wood and veneer species, cuts, and matches are available. Additional custom materials and color matching are also available upon request. Actual shades or grains may vary; request a sample for more accurate finish portrayal. Solid wood and veneer species are shown with a clear finish and top coat. The three character species code is followed by the single character finish code. For example: Solid Poplar (WPL) in an Oat finish (D) is WPLD. Species below shown with clear finish (O).

STANDARD SOLID WOODS

Hardwoods



Poplar
(WPL0)

Softwoods



Hemlock Mixed Grain
(WHM0)



Hemlock Vertical
Grain (WHV0)

STANDARD VENEERS

Plain Slice Veneers



Plain Slice Natural
Cherry (VPC0)



Plain Slice Maple
(VMP0)



Plain Slice Red Oak
(VPR0)



Plain Slice White Oak
(VPO0)



Plain Slice Walnut
(VPW0)

Quartered and Rift Cut Veneers



Quartered Cherry
(VQC0)



Quartered Maple
(VQM0)



Rift Cut Red Oak
(VRR0)



Rift Cut White Oak
(VRO0)



Quartered Walnut
(VQW0)

Reconstituted Quartered Veneers*



Quartered Cherry
(RRC0)



Quartered Maple
(RMC0)



Quartered Blonde
(RQB0)



Quartered Oak
(RRO0)



Quartered Walnut
(RWN0)

*Engineered from natural wood to deliver a uniform appearance across an installation

STAINS AND FINISHES

Clear finish available standard. All finishes and stains are available standard on Hemlock Mixed Grain (WHM) and Poplar (WPL) solid woods.

Standard Solid Wood Stains and Finishes*



Clear (O)



Patina (A)



Sepia (J)



Hazel (L)



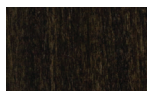
Oat (D)



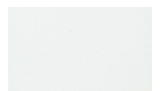
Auburn (H)



Merlot (I)



Coffee (C)



Opaque White (S)

*Standard Solid Wood Stains and Finishes show on Poplar (WPL)

Standard Veneer Species and Finish Combinations



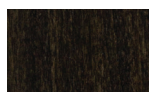
Plain Slice Maple
Patina (VMPA)



Plain Slice Cherry
Auburn (VPCH)



Plain Slice Cherry
Merlot (VPCI)



Plain Slice Walnut
Coffee (VPWC)



Additional veneer species, stains, color matching and finishes are available upon request. Please see catalog for more options or contact your local sales representative to get started.

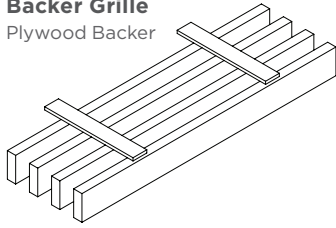
GRILLE MODULES

PRODUCT CONSTRUCTION

Available in a variety of standard and customizable options, as well as a fully-engineered Decoustics Panelized Grille solution. Contact your local Sales Representative for additional custom configurations.

Backer Grille

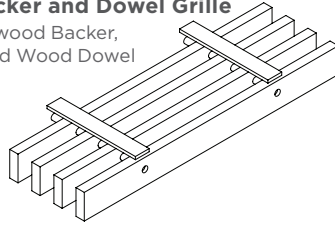
Plywood Backer



- Direct Mount 15/16" Grid (B1)
- Concealed Access 15/16" Grid (B8)
- Wall Direct Mount (B4)
- Wall Z-Clip (B5)

Backer and Dowel Grille

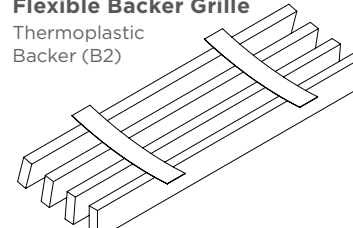
Plywood Backer,
Solid Wood Dowel



- Direct Mount 15/16" Grid (BD)
- Concealed Access 15/16" Grid (B9)
- Wall Direct Mount (B6)
- Wall Z-Clip (B7)

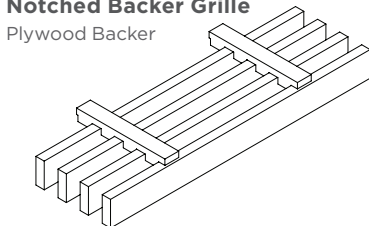
Flexible Backer Grille

Thermoplastic
Backer (B2)



Notched Backer Grille

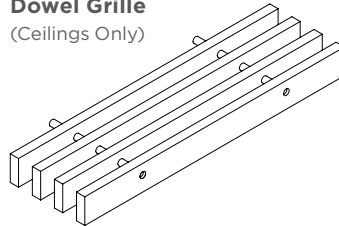
Plywood Backer



- Direct Mount 15/16" Grid (B3)
- Concealed Access 15/16" Grid (BN)
- Wall Direct Mount (BT)
- Wall Z-Clip (BR)

Dowel Grille

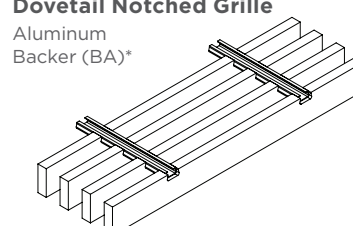
(Ceilings Only)



- Solid Wood (D1)
- Aluminum Dowel (DA)*

Dovetail Notched Grille

Aluminum
Backer (BA)*

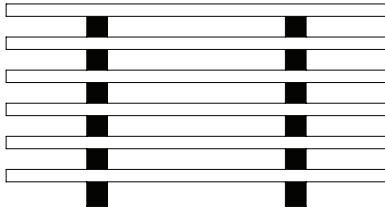


*Aluminum Backer (BA) and Aluminum Dowel (DA) configurations available as Decoustics Fully-Engineered Solutions with Veneered Composite Blades

REVEAL OPTIONS

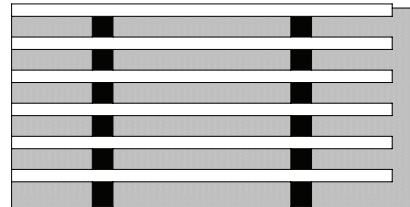
Open Reveal

Plenum visible between blades



Screen Reveal†

Translucent material between blades



Solid Reveals†

Obscured view of plenum between blades

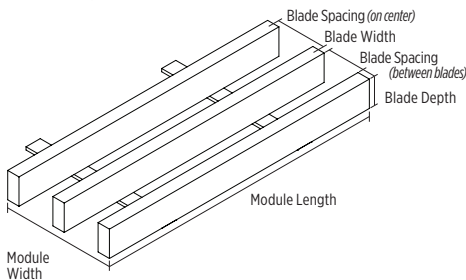


- Acoustical Felt
- Woven Fabric
- Thermoplastic, Solid

† Screen and Solid Reveals not available on Dowel Grilles and Notched Backer Grille Configurations

BLADE CONFIGURATION AND SIZE OPTIONS

Contact your local Sales Representative for additional custom configuration and fully-engineered options.



| MODULE WIDTH | MIN | MAX | TYPICAL |
|-------------------------------|--------|------|-----------|
| Solid Wood | Varies | 48" | 12" & 24" |
| Veneer | Varies | 48" | 12" & 24" |
| MODULE LENGTH* (Nominal, In.) | MIN | MAX | TYPICAL |
| Solid Wood | 24" | 120" | 96" |
| Veneer | 24" | 120" | 96" |

* Actual Module length is Nominal Length less 1"

| BLADE WIDTHS (in.) | 5/8" | 3/4" | 1" | 1-1/4" | 1-1/2" | 1-3/4" |
|--------------------|------|------|----|--------|--------|--------|
| Solid Wood | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Veneer | — | ✓ | ✓ | ✓ | ✓ | — |

| BLADE LENGTHS* (Nominal, In.) | MIN | MAX | TYPICAL |
|-------------------------------|-----|------|---------|
| Solid Wood | 24" | 120" | 96" |
| Veneer | 24" | 120" | 96" |

* Actual Blade Length is Nominal Blade Length less 1"

| BLADE DEPTHS (in.) | MIN | MAX |
|------------------------|--------|--------|
| Backer Grille | 1-3/8" | 3-1/4" |
| Flexible Backer Grille | 1-3/8" | 3-1/4" |
| Dowel Grille | 1-3/8" | 5-1/4" |
| Notched Backer Grille | 1-3/8" | 5-1/4" |
| Backer & Dowel Grille | 1-3/8" | 5-1/4" |

* Softwood Blades greater than 3-3/4" must be vertical grain

| BLADE SPACING | BLADE WIDTH (in.) | | | | | | |
|---------------|----------------------|--------|--------|--------|--------|--------|------------|
| | 5/8" | 3/4" | 1" | 1-1/4" | 1-1/2" | 1-3/4" | O.C. (In.) |
| # of Blades | Between Blades (In.) | | | | | | |
| 2 | 5-3/8" | 3-1/4" | 5" | 4-3/4" | 4-1/2" | 4-1/4" | 6" |
| 3 | 3-3/8" | 3-1/4" | 3" | 2-3/4" | 2-1/2" | 2-1/4" | 4" |
| 4 | 2-3/8" | 2-1/4" | 2" | 1-3/4" | 1-1/2" | 1-1/4" | 3" |
| 5 | 1-7/9" | 1-2/3" | 1-2/5" | 1-1/7" | 8/9" | — | 2-2/5" |
| 6 | 1-3/8" | 1-1/4" | 1" | 3/4" | — | — | 2" |
| 7 | —1" | —1" | — | — | — | — | 1-5/7" |
| 8 | 7/8" | 3/4" | — | — | — | — | 1-1/2" |



Additional custom and fully-engineered options including shapes, sizes, suspension and mounting systems, design returns and trims, and finishing options may be available for design flexibility. Contact your local sales representatives to get started.

GRILLE MODULES

STANDARD PRODUCT CONFIGURATIONS

| | | MODULE DIMENSIONS* (W x L x H) (in.) | BLADES PER FOOT | BLADE WIDTH (in.) | BLADE DEPTH (in.) |
|--------------------------------|--------|---|-----------------|-------------------|-------------------|
| GRILLE BACKER (B1) | | | | | |
| SOLID WOOD | 4005B1 | 12" x 96" x 1-7/8" | 6 | 5/8" | 1-3/8" |
| | 4010B1 | 12" x 96" x 1-7/8" | 8 | 5/8" | 1-3/8" |
| | 4015B1 | 12" x 96" x 2-3/4" | 6 | 5/8" | 2-1/4" |
| | 4016B1 | 12" x 96" x 2-3/4" | 6 | 3/4" | 2-1/4" |
| | 4020B1 | 12" x 96" x 2-3/4" | 8 | 5/8" | 2-1/4" |
| | 4025B1 | 12" x 96" x 2-3/4" | 4 | 1" | 2-1/4" |
| | 4035B1 | 12" x 96" x 2-3/4" | 4 | 1" | 3-1/4" |
| | 4030B1 | 12" x 96" x 3-3/4" | 3 | 1-1/4" | 3-1/4" |
| VENEER | 4505B1 | 12" x 96" x 2-3/4" | 4 | 3/4" | 2-1/4" |
| | 4525B1 | 12" x 96" x 2-3/4" | 6 | 3/4" | 2-1/4" |
| | 4540B1 | 12" x 96" x 2-3/4" | 8 | 3/4" | 2-1/4" |
| BACKER & DOWEL (BD) | | | | | |
| SOLID WOOD | 4240BD | 12" x 96" x 3-3/4" | 5 | 5/8" | 3-1/4" |
| | 4245BD | 12" x 96" x 3-3/4" | 6 | 5/8" | 3-1/4" |
| | 4260BD | 12" x 96" x 6-3/4" | 5 | 5/8" | 4-1/4" |
| | 4255BD | 12" x 96" x 6-3/4" | 4 | 1" | 4-1/4" |
| | 4250BD | 12" x 96" x 6-3/4" | 3 | 1-1/4" | 4-1/4" |
| | 4265BD | 12" x 96" x 5-3/4" | 3 | 1-1/4" | 5-1/4" |
| VENEER | 4705BD | 12" x 96" x 2-3/4" | 4 | 3/4" | 2-1/4" |
| | 4725BD | 12" x 96" x 2-3/4" | 6 | 3/4" | 2-1/4" |
| | 4740BD | 12" x 96" x 2-3/4" | 8 | 3/4" | 2-1/4" |

| | | MODULE DIMENSIONS* (W x L x H) (in.) | BLADES PER FOOT | BLADE WIDTH (in.) | BLADE DEPTH (in.) |
|-----------------------------|--------|---|-----------------|-------------------|-------------------|
| DOWEL (D1) | | | | | |
| SOLID WOOD | 4105D1 | 12" x 96" x 1-3/8" | 6 | 5/8" | 1-3/8" |
| | 4110D1 | 12" x 96" x 1-3/8" | 8 | 5/8" | 1-3/8" |
| | 4115D1 | 12" x 96" x 2-1/4" | 6 | 5/8" | 2-1/4" |
| | 4116D1 | 12" x 96" x 2-1/4" | 6 | 3/4" | 2-1/4" |
| | 4120D1 | 12" x 96" x 2-1/4" | 8 | 5/8" | 2-1/4" |
| | 4140D1 | 12" x 96" x 3-1/4" | 5 | 5/8" | 3-1/4" |
| | 4145D1 | 12" x 96" x 3-1/4" | 6 | 5/8" | 3-1/4" |
| | 4160D1 | 12" x 96" x 4-1/4" | 5 | 5/8" | 4-1/4" |
| | 4130D1 | 12" x 96" x 3-1/4" | 3 | 1" | 3-1/4" |
| | 4125D1 | 12" x 96" x 2-1/4" | 4 | 1" | 2-1/4" |
| | 4135D1 | 12" x 96" x 3-1/4" | 4 | 1" | 3-1/4" |
| | 4155D1 | 12" x 96" x 4-1/4" | 4 | 1" | 4-1/4" |
| | 4150D1 | 12" x 96" x 4-1/4" | 3 | 1-1/4" | 4-1/4" |
| | 4165D1 | 12" x 96" x 5-1/4" | 3 | 1-1/4" | 5-1/4" |
| | 4605D1 | 12" x 96" x 2-1/4" | 4 | 3/4" | 2-1/4" |
| VENEER | 4625D1 | 12" x 96" x 2-1/4" | 6 | 3/4" | 2-1/4" |
| | 4640D1 | 12" x 96" x 2-1/4" | 8 | 3/4" | 2-1/4" |
| FLEXIBLE BACKER (B2) | | | | | |
| SOLID WOOD | 4305B2 | 12" x 96" x 1-1/2" | 6 | 5/8" | 1-3/8" |
| | 4310B2 | 12" x 96" x 1-1/2" | 8 | 5/8" | 1-3/8" |
| | 4315B2 | 12" x 96" x 2-3/8" | 6 | 5/8" | 2-1/4" |
| | 4320B2 | 12" x 96" x 2-3/8" | 8 | 5/8" | 2-1/4" |
| | 4325B2 | 12" x 96" x 2-3/8" | 4 | 1" | 2-1/4" |
| | 4335B2 | 12" x 96" x 3-3/8" | 4 | 1" | 3-1/4" |
| | 4330B2 | 12" x 96" x 3-3/8" | 3 | 1-1/4" | 3-1/4" |
| | 4805B2 | 12" x 96" x 2-3/8" | 4 | 3/4" | 2-1/4" |
| | 4825B2 | 12" x 96" x 2-3/8" | 6 | 3/4" | 2-1/4" |
| | 4840B2 | 12" x 96" x 2-3/8" | 8 | 3/4" | 2-1/4" |
| VENEER | | | | | |

UNDERSTANDING ITEM NUMBERS










To specify or order a specific product, include the 4-digit Item Number followed by the 2-character Configuration Code and the 4-character Color Code.

Example: To specify or order a 12" x 96" 4 2-1/4" x 3/4" Blade Backer Grille module in Plain Slice Cherry, the item number would be **4525 B1 VP00**

Item number Configuration Code Color Code

STANDARD TRIMS AND ACCESSORIES

Trim and Trim Accessories sold by the piece as needed for the specific installation and includes the installation accessories as noted.

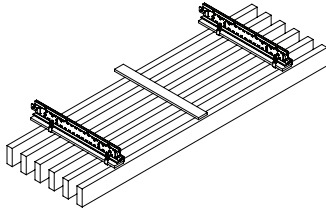
| INSTALLATION ACCESSORIES | PRODUCT NAME | COLOR | USE |
|---|--------------------------------|--|--|
|  | C-124 Backer Mounting Clip | Black | Optional backer clip for direct mount applications on 15/16" suspension systems; includes screw hole for positive attachment, where required; 1' wide modules: two (2) clips per 2' length, 2' wide modules: three (3) clips per 2' length |
|  | C-109 15/16" Dowel Clips | Flat Black | For dowel grilles and baffles: two (2) clips required per 2' panel length, eight (8) clips per 8' module |
|  | — Custom Blind Blade | Veneer Finishes Solid Wood Finishes | Blind blade for dowel grille modules; custom ordered specific to the product ordered required |
|  | 1015T4___ 4" x 96" x 3/4" Trim | Veneer Finishes | 4" perimeter trim; each 96" trim piece includes one (1) 3" Alignment Splice Plate (C-101) and four (4) 90 Degree Perimeter Trim Brackets (C-116) for trim installation |
|  | 1025T6___ 6" x 96" x 3/4" Trim | Veneer Finishes | 6" perimeter trim; each 96" trim piece includes one (1) 3" Alignment Splice Plate (C-101) and four (4) 90 Degree Perimeter Trim Brackets (C-116) for trim installation |
|  | 1005T8___ 8" x 96" x 3/4" Trim | Veneer Finishes | 8" perimeter trim; each 96" trim piece includes one (1) 3" Alignment Splice Plate (C-101) and four (4) 90 Degree Perimeter Trim Brackets (C-116) for trim installation* |
|  | 1105T2___ 2" x 96" x 3/4" Trim | Solid Wood Finishes | 2" perimeter trim; each 96" trim piece includes one (1) 3" Alignment Splice Plate (C-101) and four (4) 90 Degree Perimeter Trim Brackets (C-116) for trim installation* |
|  | 1105T4___ 4" x 96" x 3/4" Trim | Solid Wood Finishes | 4" perimeter trim; each 96" trim piece includes one (1) 3" Alignment Splice Plate (C-101) and four (4) 90 Degree Perimeter Trim Brackets (C-116) for trim installation* |
|  | 1105T6___ 6" x 96" x 3/4" Trim | Solid Wood Finishes | 6" perimeter trim; each 96" trim piece includes one (1) 3" Alignment Splice Plate (C-101) and four (4) 90 Degree Perimeter Trim Brackets (C-116) for trim installation* |

* Alternate suspension system mounted trim installation with Perimeter Clips (CTSPC-2) available, consult with your Technical Sales Specialist or Project Manager for more information

GRILLE MODULES

INSTALLATION EXAMPLES

CEILING

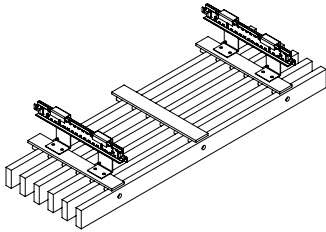


Direct Mount

- Direct Screw to Grid or Furring
- Backer Mounting Clip (C-124) to 15/16" EZ Stab Classic

Available Configurations

- Backer (B1)
- Backer & Dowel (BD)
- Notched Backer (B3)*
- Flexible Backer (B2)*
- Aluminum Dovetail Backers (BA)**

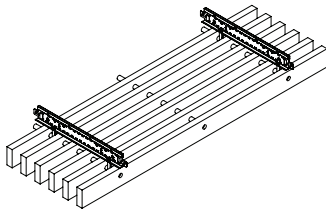


Concealed Access

C-Hanger (C-119) to 15/16" EZ Stab Classic

Configurations

- C-Hanger Backer (BB)
- C-Hanger Backer & Dowel (B9)
- C-Hanger Notched Backer (BN)



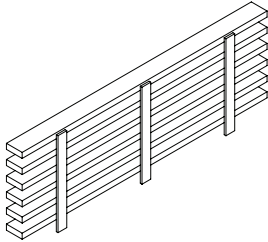
Dowel Clip

Dowel Clip (C-109) to 15/16" EZ Stab Classic

Configurations

- Dowel (D1)
- Aluminum Dowel (DA)**

WALLS

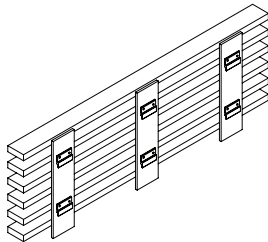


Direct Mount

Direct Screw to Furring

Configurations

- Backer (B4)
- Backer & Dowel (B6)
- Notched Backer (BT)
- Flexible Backer (B2)
- Aluminum Dovetail Backers (BA)**



Z-Clip

Direct Screw to Furring

Configurations

- Backer (B5)
- Backer & Dowel (B7)
- Notched Backer (BR)

* Not compatible with Backer Clip
** Decoustics Fully-Engineered Solution

ACOUSTICAL PERFORMANCE

| CONFIGURATION | | | FREQUENCY (HZ) | | | | | NRC | |
|---------------|----------------------|----|----------------|------|------|------|------|------|------|
| | | | 125 | 250 | 500 | 1000 | 2000 | | 4000 |
| 4 | 3/4" x 2-1/4" Blades | B1 | 1.24 | 1.15 | 1.16 | 1.17 | 1.10 | 1.08 | 1.15 |
| 8 | 3/4" x 2-1/4" Blades | D1 | 1.20 | 1.09 | 1.18 | 1.11 | 1.01 | 1.16 | 1.10 |
| 4 | 1-1/4" x 5" Blades | BD | 0.93 | 0.95 | 0.89 | 1.02 | 1.04 | 0.74 | 1.00 |

Sound absorption achieved with the addition of acoustical fleece, fabric, and/or infill; results shown are achieved with 2" fiberglass acoustic infill. E-400 Mount per ASTM C423-17 (Ceiling)

PHYSICAL DATA

MATERIAL

Fire-retardant composite wood or solid wood blades; hardwood plywood, solid wood, or extruded aluminum backers; solid wood or aluminum dowels

WEIGHT

2.0 – 4.0 lbs./sq. ft. (typical system weight)
Varies by Configuration and Material

FIRE CLASS

Veneered Products:
ASTM E84 (Class A) and CAN/ULC-S102
Flame Spread: 25 or less
Smoke Developed: 450 or less

Solid Wood Products:
ASTM E84 (Class C) and CAN/ULC-S102
Flame Spread: 200 or less
Smoke Developed: 450 or less

SEISMIC INSTALLATION

See installation details for seismic area installation information. Per IBC the maximum system weight for ceilings installed with Acoustical Suspension Systems in Seismic Design Categories C, D, E, and F is 4.0 lbs./sq. ft. when referencing ICC-ES ESR-3336. System weights greater than 4.0 lbs./sq. ft. may require local Professional Engineering services.

APPLICATION CONSIDERATIONS

Wood panels must be acclimatized for 72 hours prior to installation. Maintain relative humidity between 25% and 55% and temperature between 50°F and 86°F (10°C and 30°C) for the life of the product.

Wood is a natural material with varying grain and color characteristics. Characteristics may vary from panel to panel. For a more uniform appearance, consider reconstituted veneer options.

VISUAL CONSIDERATIONS

Surface Finish: clear or tinted topcoat with 20% sheen

WARRANTY

Full warranty information can be found at certainteed.com/warranty.



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