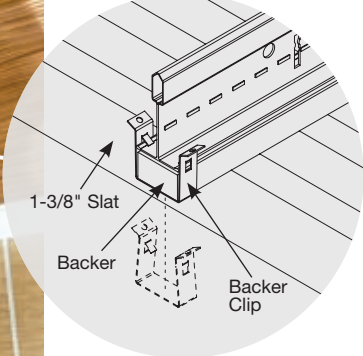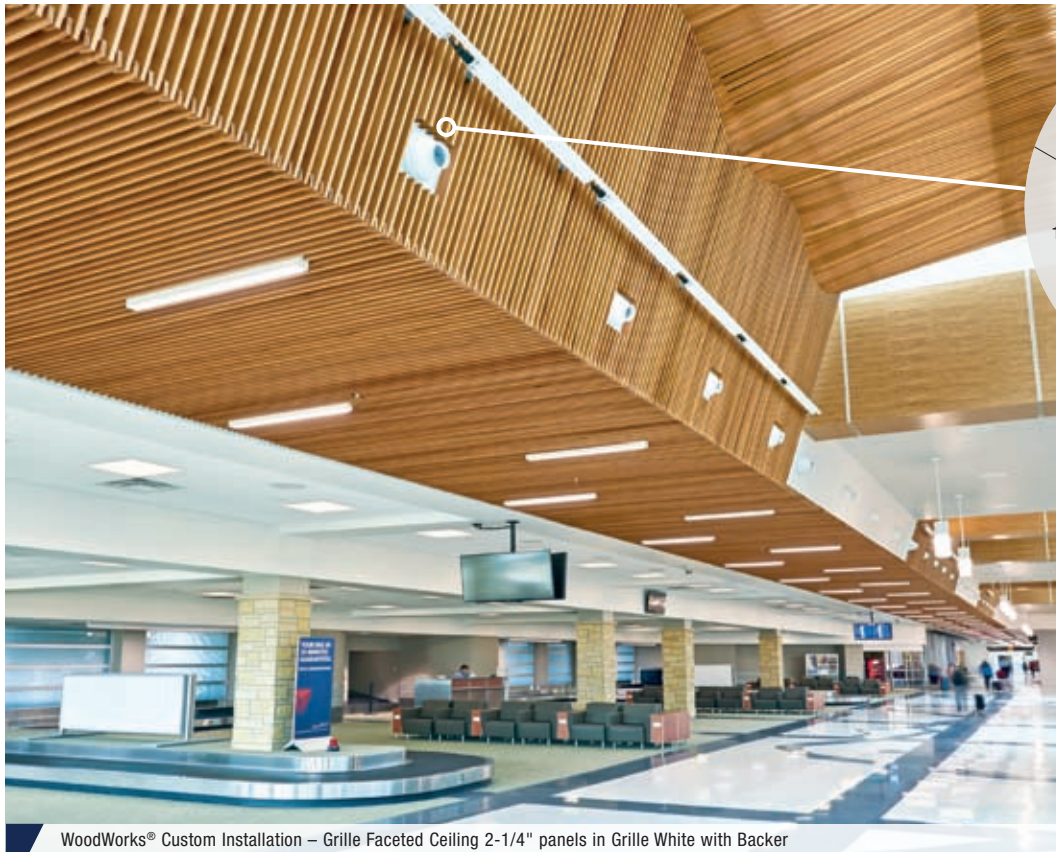# WOODWORKS® Grille
Solid Wood Backer, Dowel, and Backer & Dowel Combination

CAD/Revit® drawings at:
armstrongceilings.com

1-3/8" Slat

Backer

Backer Clip

WoodWorks® Custom Installation – Grille Faceted Ceiling 2-1/4" panels in Grille White with Backer

plus capabilities
to do more

armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

These warm, natural wood ceilings offer installation flexibility and a variety of design options.

KEY SELECTION ATTRIBUTES

- 13 pre-designed panels with new slat heights and widths
- Custom slat sizes and finishes available for every project
- Now, painted White finish for maximum design flexibility

- Install in the ceiling, on the wall, or create 90º angled or faceted ceiling-to-wall transitions
- Easy installation with dowel or backer, or backer and dowel combination
- FSC® and Rainforest Alliance Certified wood options available

FINISH SELECTION
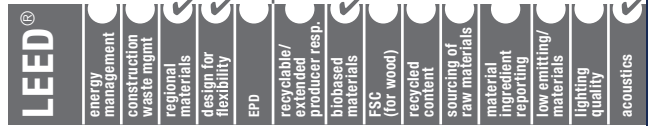Due to printing limitations, shade may vary from actual product.

Grille White (GWH)
Grille Maple (GMP)
Grille Light Cherry (GLC)
Grille Dark Cherry (GDC)
Grille Walnut (GWN)
Custom Finishes Available

NOTE: Panel backers are black. Custom backer colors available.

TechLine 877 276 7876
armstrongceilings.com/woodworks

Armstrong®
CEILING & WALL SOLUTIONS

WOODWORKS® Grille
Solid Wood Backer, Dowel, and Backer & Dowel Combination

VISUAL SELECTION

Edge Profile	Item No. ◆	Slat Width	Slat Height	Slats Per Panel	Slat Spacing (Nominal)	Dimensions (Inches) Nominal W x L x H*
		Custom Slat Sizes Available				Custom Panel Sizes Available

WOODWORKS® Grille – Backer, Dowel, and Backer & Dowel Combination

Edge Profile	Item No. ◆	Slat Width	Slat Height	Slats Per Panel	Slat Spacing (Nominal)	Dimensions (Inches) Nominal W x L x H*
Backer, Dowel, or Backer & Dowel Combination	7263_ _ _ _ _	5/8"	1-3/8"	6 slats	1-3/8"	12 x 96 x 1-7/8" Backer Only 12 x 96 x 1-3/8" Dowel Only
	7264_ _ _ _ _	5/8"	1-3/8"	8 slats	7/8"	12 x 96 x 1-7/8" Backer Only 12 x 96 x 1-3/8" Dowel Only
	7265_ _ _ _ _	5/8"	2-1/4"	6 slats	1-3/8"	12 x 96 x 2-3/4" Backer Only 12 x 96 x 2-1/4" Dowel Only
	7266_ _ _ _ _	5/8"	2-1/4"	8 slats	7/8"	12 x 96 x 2-3/4" Backer Only 12 x 96 x 2-1/4" Dowel Only
	7091 _ _ _ _ _	5/8"	3-1/4"	5 slats	1-3/4"	12 x 96 x 3-3/4" Backer & Dowel 12 x 96 x 3-1/4" Dowel Only
	7092 _ _ _ _ _	5/8"	3-1/4"	6 slats	1-3/8"	12 x 96 x 3-3/4" Backer & Dowel 12 x 96 x 3-1/4" Dowel Only
	7093 _ _ _ _ _	5/8"	4-1/4"	5 slats	1-3/4"	12 x 96 x 4-3/4" Backer & Dowel 12 x 96 x 4-1/4" Dowel Only
	7094 _ _ _ _ _	1"	2-1/4"	4 slats	2"	12 x 96 x 2-3/4" Backer Only 12 x 96 x 2-1/4" Dowel Only
	7095 _ _ _ _ _	1"	3-1/4"	4 slats	2"	12 x 96 x 3-3/4" Backer Only 12 x 96 x 3-1/4" Dowel Only
	7096 _ _ _ _ _	1"	4-1/4"	4 slats	2"	12 x 96 x 4-3/4" Backer & Dowel 12 x 96 x 4-1/4" Dowel Only
	7097 _ _ _ _ _	1-1/4"	3-1/4"	3 slats	2-3/4"	12 x 96 x 3-3/4" Backer Only 12 x 96 x 3-1/4" Dowel Only
	7098 _ _ _ _ _	1-1/4"	4-1/4"	3 slats	2-3/4"	12 x 96 x 4-3/4" Backer & Dowel 12 x 96 x 4-1/4" Dowel Only
	7099 _ _ _ _ _	1-1/4"	5-1/4"	3 slats	2-3/4"	12 x 96 x 5-3/4" Backer & Dowel 12 x 96 x 5-1/4" Dowel Only

◆ When specifying or ordering please include the installation type and color suffixes
(e.g., 7092 B D G L C – 6 slats 3-1/4" Backer & Dowel in Grille Light Cherry).
Installation suffixes: BO = Backer, DO = Dowel, BD = Backer & Dowel Combination
NOTE: For additional color and size options, or curved applications options with flexible Backers (special order), call TechLine at 1 877 276 7876.
* Actual panel length is 95"
NOTE: Panel backers are black. Custom backer colors available.

ACOUSTICAL INFORMATION

Dots represent high level of performance.

Infill Panel Item Number	NRC +	CAC =	NRC + CAC
			Total Acoustics[1]
5823	0.85 •	28	–
8200100	0.90 •	28	–

SUFFIX GUIDE

Backer Only = BO

Dowel Only = DO

Backer & Dowel Combination = BD
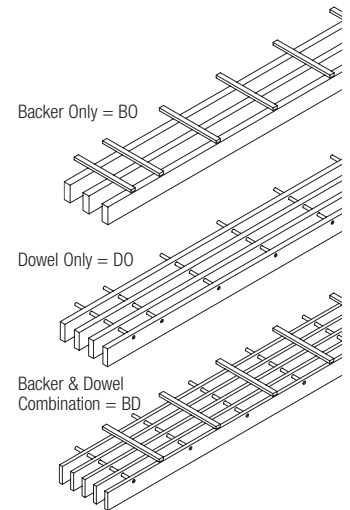
ACCESSORIES

	Item No. ◆	Description	Dimensions Nominal W x L (Inches) Custom Sizes Available	Color (Refer to Pg. 185)	Pcs/ Ctn
	5672 _ _ _	Junction – 1-3/8"	1-1/2 x 96 x 2"	All finishes	Bulk
	5674 _ _ _	End Cap – 1-3/8"	3/4 x 96 x 2"	All finishes	Bulk
	5675 _ _ _	End Cap – 2-1/4"	3/4 x 96 x 2-3/4"	All finishes	Bulk
	7170 _ _ _	End Cap – 3-1/4"	3/4 x 96 x 3-3/4"	All finishes	Bulk
	7171 _ _ _	End Cap – 4-1/4"	3/4 x 96 x 4-3/4"	All finishes	Bulk
	7172 _ _ _	End Cap – 5-1/4"	3/4 x 96 x 5-3/4"	All finishes	Bulk
	5687	Backer Clip	3/8 x 11/16 x 7/8"	N/A	250 pcs/pail

	Item Number ◆	Description	Dimensions Nominal W x L (Inches)	Color (Refer to Pg. 185)	Pcs/ Ctn
	5688	Dowel Clip	3/8 x 7/8 x 7/8"	N/A	250 pcs/pail
	5671 _ _ _	Ledger	1 x 96 x 1/4"	All finishes	Bulk
	7891	12 Gauge Soft Hanger Wire	144" Length	N/A	140
	92715A620	Self-tapping Screws	#2 x 3/4" Length	Black	25
	6459BL	Uptight Clip	5-1/2 x 1-3/4"	Black	25
	RC2BL	RC2 Radius Clip	N/A	Black	205
new	7239	Adjustable Trim Clip	–	N/A	50

◆ When specifying or ordering, include the 3-letter color suffix that coordinates with your WoodWorks ceiling: (e.g., 5671 G M P).
NOTE: For integration with Axiom® trim (Black recommended for use with Solid Wood).

SUSPENSION SYSTEMS

15/16"

Heavy Duty Prelude® XL® (Black recommended)

Prelude® 360°ß (Black recommended)

TRIM AND ACOUSTICAL INFILL PANELS
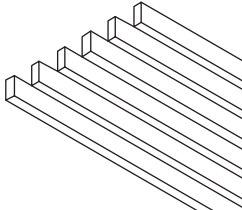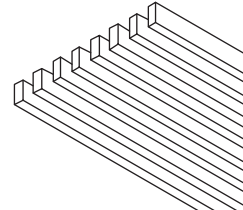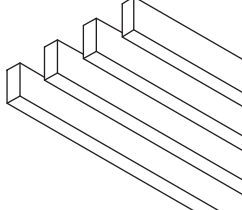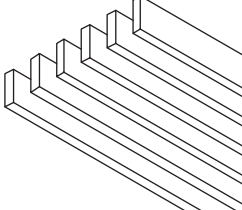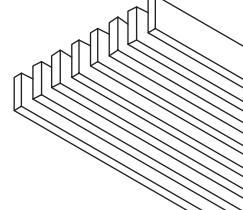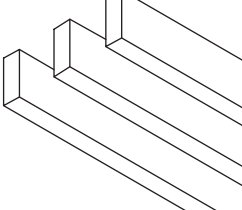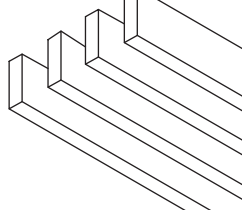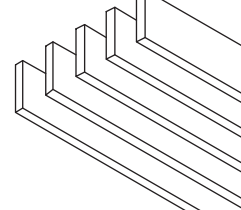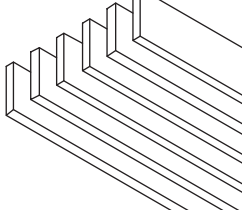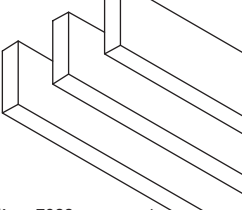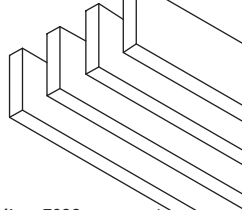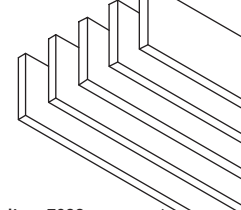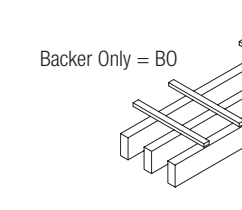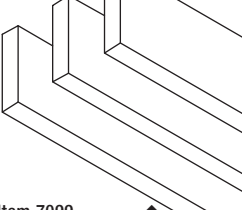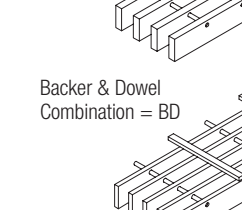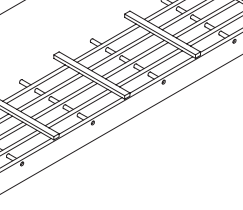
Trim and infill panels available.
Visit armstrongceilings.com/woodworks

WOODWORKS® Grille

Solid Wood Backer, Dowel, and Backer & Dowel Combination
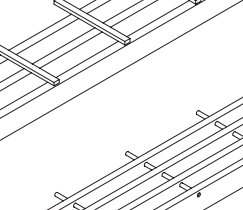
STANDARD SIZES

WOODWORKS®

	1-1/4" SLAT WIDTH	1" SLAT WIDTH	5/8" SLAT WIDTH		
	3 Slats Per Panel	4 Slats Per Panel	5 Slats Per Panel	6 Slats Per Panel	8 Slats Per Panel
1-3/8" SLAT HEIGHT				Item 7263_ _ _ _ _◆ Backer Only or Dowel Only	Item 7264_ _ _ _ _◆ Backer Only or Dowel Only
2-1/4" SLAT HEIGHT		Item 7094_ _ _ _ _◆ Backer Only or Dowel Only		Item 7265_ _ _ _ _◆ Backer Only or Dowel Only	Item 7266_ _ _ _ _◆ Backer Only or Dowel Only
3-1/4" SLAT HEIGHT	Item 7097_ _ _ _ _◆ Backer Only or Dowel Only	Item 7095_ _ _ _ _◆ Backer Only or Dowel Only	Item 7091_ _ _ _ _◆ Dowel Only or Backer & Dowel	Item 7092_ _ _ _ _◆ Dowel Only or Backer & Dowel	
4-1/4" SLAT HEIGHT	Item 7098_ _ _ _ _◆ Dowel Only or Backer & Dowel	Item 7096_ _ _ _ _◆ Dowel Only or Backer & Dowel	Item 7093_ _ _ _ _◆ Dowel Only or Backer & Dowel		
5-1/4" SLAT HEIGHT	Item 7099_ _ _ _ _◆ Dowel Only or Backer & Dowel				

Backer Only = BO

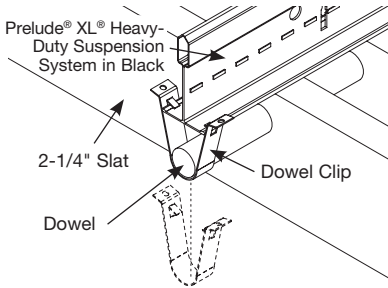Dowel Only = DO

Backer & Dowel Combination = BD

◆ When specifying or ordering please include the installation type and color suffixes (e.g., 7092 B D G L C – 6 slats 3-1/4" Backer & Dowel in Grille Light Cherry).
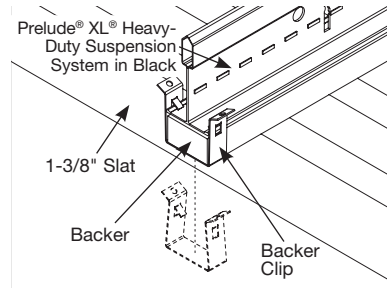
TechLine 877 276 7876
armstrongceilings.com/woodworks

Armstrong®
CEILING & WALL SOLUTIONS

WOODWORKS® Grille
Solid Wood Backer, Dowel, and Backer & Dowel Combination

SYSTEM INSTALLATION DETAILS

Prelude® XL® Heavy-Duty Suspension System in Black
2-1/4" Slat
Dowel
Dowel Clip

Ceiling Dowel Assembly

Prelude® XL® Heavy-Duty Suspension System in Black
1-3/8" Slat
Backer
Backer Clip

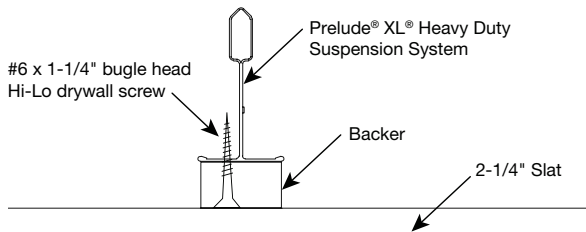**Ceiling Backer Assembly**

Wall
Grille Panel
Grille Backer
Furring Strips
Screws
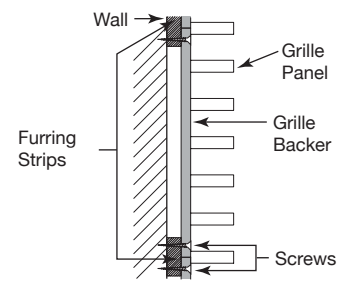
Wall Backer Assembly

Slat sizes over 2-1/4" are not recommended for wall applications. Contact TechLine for details at 1 877 276-7876.

#6 x 1-1/4" bugle head Hi-Lo drywall screw
Prelude® XL® Heavy Duty Suspension System
Backer
2-1/4" Slat

Screw Attachment Detail

NOTE: See Woodworks® Grille installation instructions for details on faceted and seismic installations.

ACOUSTICAL PERFORMANCE

Noise Reduction Coefficient, or NRC, is a measure for rating the overall sound absorption of a material when used in an enclosed architectural space such as an office, where sound is reflected at many angles of incidence. WoodWorks® Grille has an NRC value of 0.85 when installed with a BioAcoustic™ infill panel 5823.

NRC is important in any closed space where reverberation time and noise levels are an issue:

- Closed offices, conference rooms
- Mixed plan office
- Lobby, reception, and work areas
- Classrooms/core learning areas, gymnasiums, cafeterias
- Retail spaces; checkout and other customer contact areas

Factors that may affect the installed acoustical performance relative to the published results are:

- Size of area
- Number of panels
- Layout of panels
- Suspension distance below exposed deck or finished ceiling
- Other surfaces in the space

Ceiling	Exposed Structure (no Ceiling)	Ultima® (100% Ceiling)	WoodWorks Grille (100% Ceiling)
Reverberation Time (RT)	3.4 seconds	0.5 seconds	0.5 seconds
RT Improvement	N/A	85%	85%
Background Noise Reduction in Decibels (dB)	N/A	4.7dB	5.8dB

NOTE: You can calculate the acoustical difference that WoodWorks Grille panels can make in your space by using our online Reverb Calculator Tool at armstrongceilings.com/reverbtool

PHYSICAL DATA

Material
Dowel, Slats, Backers, and Tegular panels – solid Poplar (yellow or hybrid).

Surface Finish
Clear or tinted semigloss coating on all finishes except Grille White (GWH). Grille White (GWH) has a lacquer finish.

Fire Performance
Solid Poplar (yellow or hybrid) Hardwood Slats and Backers
Solid Poplar (yellow or hybrid) Hardwood Slats and Backers – Class C ASTM E84 surface burning characteristics. Flame Spread Index 200 or less. Smoke Developed Index 450 or less.

Fire performance will vary between wood species. Flame stop Class A coating available.

Class A intumescent treatment is available for all finishes except Grille White (GWH). Contact TechLine at 1 877 276-7876 for details.

These panels, as with other architectural features located at the ceiling, may obstruct or skew the planned fire sprinkler water distribution pattern, or possibly delay or accelerate the activation of the sprinkler or fire detection systems by channeling heat from a fire either toward or away from the device. Consult a fire protection engineer, NFPA 13, and local codes for guidance where automatic fire detection and suppression systems are present.

Application Considerations
Variation among panels may occur due to the natural characteristics of the wood and grain.

Design Considerations
Custom slat and panel sizes available.

Backer & Dowel
For slat heights over 5", both Dowels and Backers are required for stability. Backer height is 1/2". Panel backers are black. Custom backer colors available.

Infill Panel Use
If no infill panel is used, unfinished parts of the suspension system and Axiom® trim will be visible from below.

Site Conditions
It is very important that panels are climatized prior to installation. Relative humidity between 25% and 55% and temperatures between 50˚F and 86˚F must be maintained.

Installation Consideration
When junction accessory is not used, the result will be a 1" gap between slat lengths.

Seismic Restraint
WoodWorks® Grille panels have been engineered, tested, and approved for application in all seismic areas when installed per Armstrong Ceilings installation instructions.

Warranty
Details at armstrongceilings.com

Weight
7263 – 0.8 lbs/per panel
7264 – 1.1 lbs/per panel
7094 – 1.4 lbs/per panel
7265 – 1.3 lbs/per panel
7266 – 1.8 lbs/per panel
7097 – 1.9 lbs/per panel
7095 – 2.1 lbs/per panel
7091 – 1.6 lbs/per panel
7092 – 1.9 lbs/per panel
7098 – 2.5 lbs/per panel
7096 – 2.7 lbs/per panel
7093 – 2.1 lbs/per panel
7099 – 3.1 lbs/per panel

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WOODWORKS®

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