

new FELTWORKS® Blades – VarAffix™

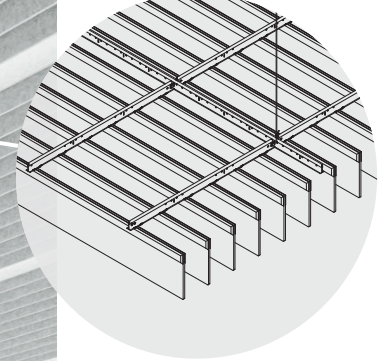
Linear Acoustical Panels –
Reinforced Rectangular



SUSTAIN®
High Performance
Sustainable
Ceiling Systems



CAD/Revit® drawings at:
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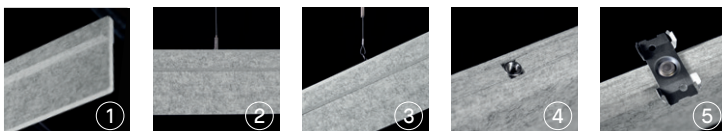
FeltWorks® Blades – VarAffix™ 10" x 120" blades in Bedrock (FBR), installed directly to 15/16" grid

Reinforced rectangular blades add structural integrity with threaded connectors for installation versatility and design flexibility.

KEY SELECTION ATTRIBUTES

- Blades are reinforced at the top for enhanced structural integrity, and come in 12 new standard neutral colors
- Standard 10' long blade option allows for better linear runs, minimizing seams in large installations
- Mix standard lengths and depths for dynamic visuals
- 3/8" thick blades provide a sleek linear visual
- Soft visual, quieter acoustics
- Sound absorption up to 0.85 NRC dependent on blade depth and spacing
- Pair with Calla® ceiling panels to get total noise control and design flexibility with Total Acoustics® ceiling panels: NRC + CAC = Total Acoustics
- Embedded threaded connector for installation versatility including cable-to-deck independent suspension, threaded rod, and direct to 15/16" grid
- Independent suspension now allows for sloped installations
- Great retrofit solution
- ASTM E84 Class A Fire Performance
- Made from 60% pre-consumer recycled PET fibers
- Part of the Sustain® portfolio, and meeting the most stringent industry sustainability compliance standards today
- CleanAssure™ family of products – includes disinfectable panels, suspension systems, and trim

DETAILS



1. Reinforced blade
2. Independent suspension installation
3. Angled independent suspension installation
4. Embedded threaded connector
5. Threaded Grid Clip

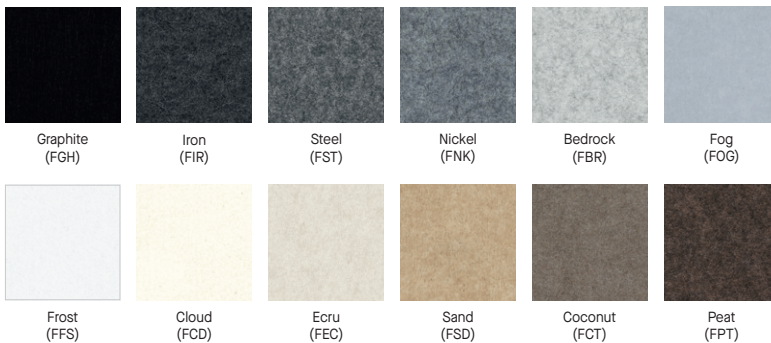
new FELTWORKS® Blades – VarAffix™

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FeltWorks® Blades – VarAffix™ 12" x 120" blades in Iron (FIR), independently suspended

STANDARD COLORS Due to printing limitations, shade may vary from actual product.



TechLine 877 276-7876
armstrongceilings.com/feltworksblades

Armstrong®
World Industries



BLADES – Standard

FELTWORKS® Blades – VarAffix™

Linear Acoustical Panels –
Reinforced Rectangular



Declare.

LEED WELL LBC

60% RECYCLED CONTENT

For LEED contribution contact TechLine



LOCATION DEPENDENT

WELL Building Standard™ (WELL) Living Building Challenge® (LBC)

VISUAL SELECTION



Item No. ♦	Description	Nominal Dimension (D x L x Thickness)	Threaded Connectors
FELTWORKS® 6370RCE0004_ _ _	Reinforced Rectangular Panel	6 × 48 × 3/8"	2 per panel
6370RCE0009_ _ _	Reinforced Rectangular Panel	8 × 48 × 3/8"	2 per panel
6370RCE0013_ _ _	Reinforced Rectangular Panel	10 × 48 × 3/8"	2 per panel
6370RCE0017_ _ _	Reinforced Rectangular Panel	12 × 48 × 3/8"	2 per panel
6370RCE0007_ _ _	Reinforced Rectangular Panel	6 × 72 × 3/8"	3 per panel
6370RCE0010_ _ _	Reinforced Rectangular Panel	8 × 72 × 3/8"	3 per panel
6370RCE0014_ _ _	Reinforced Rectangular Panel	10 × 72 × 3/8"	3 per panel
6370RCE0018_ _ _	Reinforced Rectangular Panel	12 × 72 × 3/8"	3 per panel
6370RCE0001_ _ _	Reinforced Rectangular Panel	6 × 96 × 3/8"	4 per panel
6370RCE0011_ _ _	Reinforced Rectangular Panel	8 × 96 × 3/8"	4 per panel
6370RCE0015_ _ _	Reinforced Rectangular Panel	10 × 96 × 3/8"	4 per panel
6370RCE0019_ _ _	Reinforced Rectangular Panel	12 × 96 × 3/8"	4 per panel
6370RCE0008_ _ _	Reinforced Rectangular Panel	6 × 120 × 3/8"	5 per panel
6370RCE0012_ _ _	Reinforced Rectangular Panel	8 × 120 × 3/8"	5 per panel
6370RCE0016_ _ _	Reinforced Rectangular Panel	10 × 120 × 3/8"	5 per panel
6370RCE0020_ _ _	Reinforced Rectangular Panel	12 × 120 × 3/8"	5 per panel

♦ When specifying or ordering, include the appropriate 3-digit color suffix (e.g. 6370RCE008 E B R) Suspension Systems sold separately. See Installation Accessories for specific item numbers.

PERFORMANCE

Dots represent high level of performance.

Fire Rating	Light Reflect	Certified Low VOC Emissions	CleanAssure™ DURABILITY Disinfectable Panels		
			Spray	Impact	Scratch
Class A	0.79	*	*	*	*
Class A	0.79	*	*	*	*
Class A	0.79	*	*	*	*
Class A	0.79	*	*	*	*
Class A	0.79	*	*	*	*
Class A	0.79	*	*	*	*
Class A	0.79	*	*	*	*
Class A	0.79	*	*	*	*
Class A	0.79	*	*	*	*
Class A	0.79	*	*	*	*
Class A	0.79	*	*	*	*
Class A	0.79	*	*	*	*
Class A	0.79	*	*	*	*
Class A	0.79	*	*	*	*
Class A	0.79	*	*	*	*

ACOUSTIC INFORMATION

Panel Depth	NRC			
	6" O.C.	12" O.C.	18" O.C.	24" O.C.
6"	0.55	0.40	0.30	0.25
8"	0.65	0.50	0.35	0.30
10"	0.75	0.55	0.45	0.40
12"	0.85	0.65	0.55	0.45

NOTE: Tested per ASTM C423 without infill panels. Spacing of blades, blade depth, and acoustical infill panels will impact acoustical performance. Contact TechLine for a custom reverberation time report at techline@armstrongceilings.com

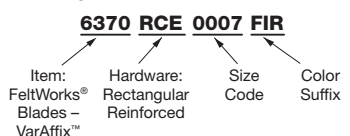
Dots represent high level of performance.

Infill Panel Item No.	NRC + CAC		Total Acoustics ¹
	NRC	CAC	
2821BK	0.85	35	BEST
1319	0.75	30	N/A

¹Total Acoustics® ceiling panels have an ideal combination of sound absorption and sound blocking in one product.
GOOD (NRC 0.60-0.65; CAC 35+)
BETTER (NRC 0.70-0.75; CAC 35+)
BEST (NRC 0.80+; CAC 35+)

BLADES – Standard

ITEM NUMBER KEY



TechLine 877 276-7876
armstrongceilings.com/feltworksblades



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Linear Acoustical Panels – Reinforced Rectangular



LEED WELL | LBC

60% RECYCLED CONTENT





energy management construction waste mgmt regional materials design for flexibility EPD recyclable/producer resp. biobased materials recycled content sourcing of raw materials material ingredient reporting low emitting materials lighting quality acoustics

For LEED contribution contact TechLine

LOCATION DEPENDENT

WELL Building Standard™ (WELL) Living Building Challenge® (LBC)

ACCESSORIES

	Item No. ♦	Description	Dimensions Nominal W x L x H (inches)	Color	Quantity	
Direct-to-Grid Suspension Systems	7300BL	Prelude® XL® 12' ID Main Beam	15/16 × 144 × 1-11/16"	Black	20 pieces/ carton	
	7301BL	Prelude ML 12' HD Main Beam	144 × 15/16 × 1-11/16"	Black	20 pieces / carton	
	XL7341BL	Prelude XL 4' Cross Tee	15/16 × 48 × 1-11/16"	Black	60 pieces/ carton	
	7891	12-gauge Hanger Wire	N/A	N/A	140 pieces/ carton	
	7800	12' Hemmed Angle Molding	7/8 × 144 × 7/8"	Based on Design	30 pieces/ carton	
	6701 _ _	Threaded Grid Clip	N/A	Mill Finish (SS), Black (BL), White (WH)	80 pieces/ bucket	
Floating Perimeter Trim	AX_STR_ _ _	Axiom® Classic Straight Trim	Based on Design	Based on Design	10 LF	
	7239	Adjustable Trim Clip	N/A	Mill Finish	50 pieces/ carton	
Independent Suspension	5450	Cable Suspension Kit (2 Connection Points)	N/A	Mill Finish	2 connection points/bag	
	625530	Extended Hanging Cables (30' Aircraft Cable)	N/A	Mill Finish	4 pieces/bag	
	7121	Angled Hanging Adaptor (60° maximum angle) – Extends from the end of Cable Suspension Kit (5450)	N/A	Mill Finish	2 pieces/bag	
Acoustical Infill Panels	1319	Backstage Noir®	24 × 48 × 3/4"	Black	12	
	2821BK	Calla® Square Lay-in Panel	24 × 48 × 1"	Black	6 pieces/carton	
Other Accessories	6371MF	FeltWorks® Blades VarAffix™ Field-cut Connector Kit	N/A	Mill Finish	10 Threaded Connectors/ 20 Screws/bag	
	BERC2	2" Beam End Retaining Clip	N/A	N/A	200 pieces/ carton	
	6459BL	Rigid Attachment Clip	5-1/2" x 1-3/4"	Mill Finish	25 pieces/ carton	

♦ When specifying or ordering, include the appropriate 2- or 3-digit color suffix (e.g. 6701 B L)



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Declare

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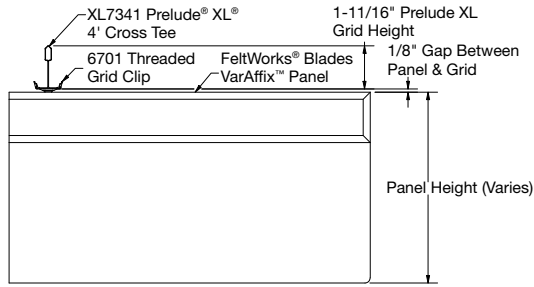
For LEED contribution contact TechLine

energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting materials	lighting quality	acoustics
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

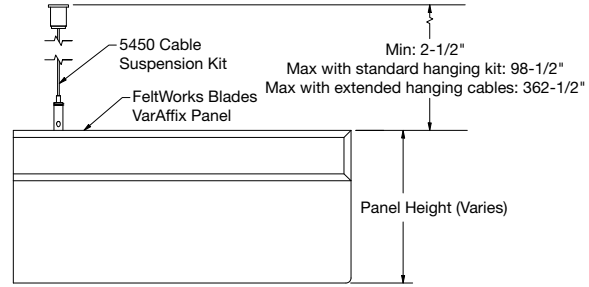
LOCATION DEPENDENT

WELL Building Standard™ (WELL)
Living Building Challenge® (LBC)

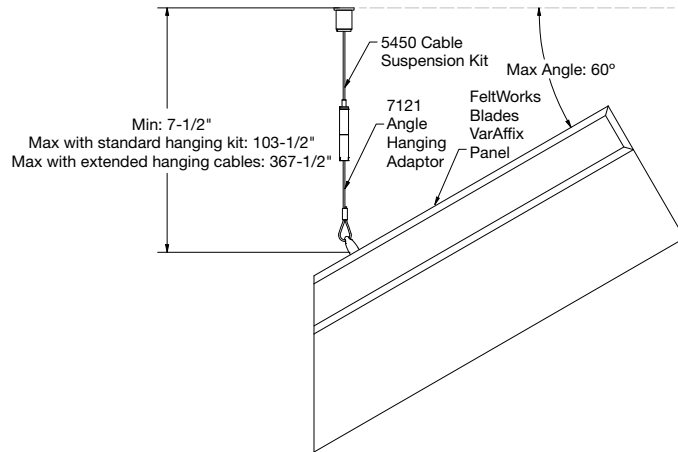
SYSTEM INSTALLATION DETAILS



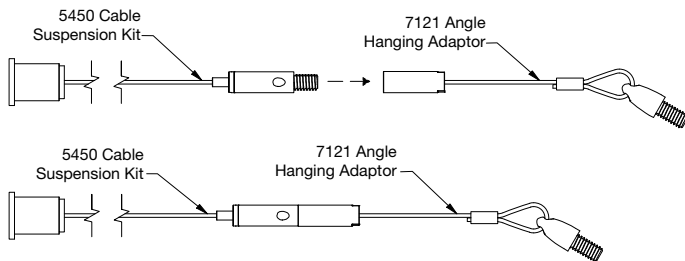
1 Direct to Grid Installed View



2 Independent Suspension Installation



3 Angled Independent Suspension Installation

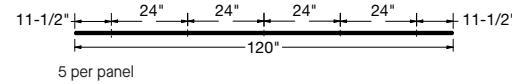
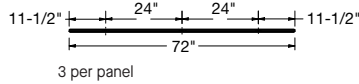
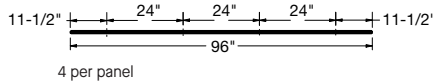
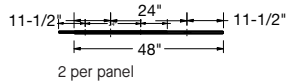


4 Angled Hanging Adaptor

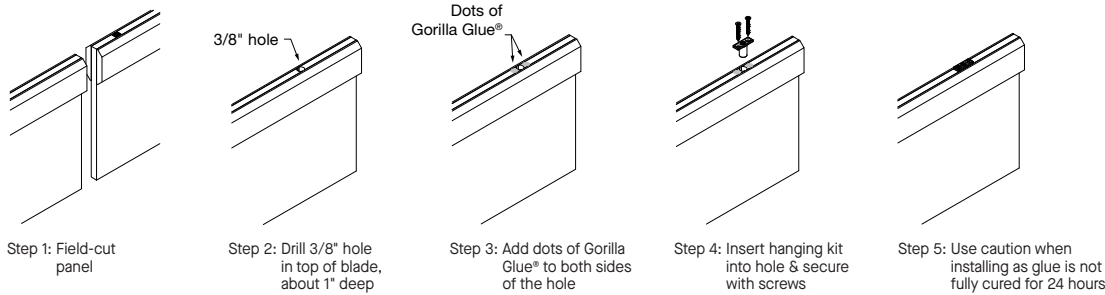


BLADES – Standard

SYSTEM INSTALLATION DETAILS (continued)



5 Threaded Connectors Per Panel



6 Field-cut Installation

NOTE: For more details, refer to installation instructions at armstrongceilings.com/feltworksblades
For actual dimensions refer to CAD/Revit® drawings at: armstrongceilings.com/cadrevit

PHYSICAL DATA

Material
3/8" thick non-woven layered and formed polyester felt (PET) fiber panels with color throughout.

Fire Performance
Flame Spread Index 25 or less. Smoke Developed Index 450 or less. Class A per ASTM E84.

CAN/ULC S102.2 surface burning characteristics. Flame Spread Rating of 20. Smoke Developed Classification of 145.

FeltWorks® Blades – VarAffix™, as with other architectural features located in the ceiling plane, may obstruct or skew the existing or planned fire sprinkler water distribution pattern, or possibly delay the activation of the fire sprinkler or fire detection system. Consult a fire protection engineer, NFPA 13, and local codes for guidance on the proper installation techniques where fire detection or suppression systems are present.

Application Considerations
Panel color and texture may vary from order to order; adequate attic stock should be ordered. Due to the nature of recycled materials, small dark fibers may be visible on light panels.

FeltWorks Blades – VarAffix panels are not approved for exterior application.

FeltWorks Blades – VarAffix panels should not be installed near sources of heat greater than 158° F.

FeltWorks Blades – VarAffix panels were designed as a standalone system and may not be used with FeltWorks® Blades – HookOn panels.

Design Considerations
When installing with Prelude® XL® 15/16" suspension system panels will have a 1" gap between the ends of panels for best visual.

When installed with acoustical infill panels, any panel may sit proud of the grid. This may result in a mousehole and if there is any light source above the ceiling, it may be visible through the hole.

Acoustical Performance
Tested per ASTM C423 without infill panels. Spacing of blades, blade depth, and acoustical infill panels will impact acoustical performance, see acoustical chart in visual selection. Contact TechLine for a custom reverberation time report at techline@armstrongceilings.com

Installation Considerations
Any fixtures adjacent to FeltWorks Blades – VarAffix panels must be independently supported. Adjacent panel ends are spaced 1" apart.

Natural bowing is inherent in PET materials. Feltworks Blades – VarAffix panels may have a maximum bow or twist of 1/2" over 48", or up to 1" over 96", as installed.

Seismic Restraint
FeltWorks Blades – VarAffix panels are approved for all seismic areas when installed per the seismic guidelines in the Armstrong Ceilings installation instructions.

Cleaning and Disinfecting
Cleaning and CDC-approved disinfecting options available on armstrongceilings.com/cleaning

Warranty
Details at armstrongceilings.com/warranty

Weight

Depths
6" = 0.31 lbs per linear foot
8" = 0.36 lbs per linear foot
10" = 0.42 lbs per linear foot
12" = 0.51 lbs per linear foot

48" Lengths:
637ORCE0004_ 6 x 48 x 3/8" – 1.24 lbs per panel
637ORCE0009_ 8 x 48 x 3/8" – 1.44 lbs per panel
637ORCE0013_ 10 x 48 x 3/8" – 1.68 lbs per panel
637ORCE0019_ 12 x 48 x 3/8" – 2.04 lbs per panel

72" Lengths:
637ORCE0007_ 6 x 72 x 3/8" – 1.86 lbs per panel
637ORCE0010_ 8 x 72 x 3/8" – 2.16 lbs per panel
637ORCE0014_ 10 x 72 x 3/8" – 2.52 lbs per panel
637ORCE0018_ 12 x 72 x 3/8" – 3.06 lbs per panel

96" Lengths:
637ORCE0001_ 6 x 96 x 3/8" – 2.48 lbs per panel
637ORCE0011_ 8 x 96 x 3/8" – 2.88 lbs per panel
637ORCE0015_ 10 x 96 x 3/8" – 3.36 lbs per panel
637ORCE0019_ 12 x 96 x 3/8" – 4.08 lbs per panel

120" Lengths:
637ORCE0008_ 6 x 120 x 3/8" – 3.10 lbs per panel
637ORCE0012_ 8 x 120 x 3/8" – 3.60 lbs per panel
637ORCE0016_ 10 x 120 x 3/8" – 4.20 lbs per panel
637ORCE0020_ 12 x 120 x 3/8" – 5.10 lbs per panel

Panels/Carton
12
Minimum Order Quantity
1 carton

