

OPTIMA®
OPTIMA® PB
with Plant-based Binder
Square Lay-in
fine texture


SUSTAIN®
High Performance
Sustainable
Ceiling Systems
(PB Suffix Only)



Optima Square Lay-in panels with Prelude XL 15/16" suspension system

CAD/Revit® drawings at:
armstrongceilings.com/cadrevit


DESIGNFlex®
A New World of Choice
for Ceiling Systems

plus capabilities
to do more



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

Fine-textured panels with more large-size, standard panel options than any other product family. Offers high sound absorption.

KEY SELECTION ATTRIBUTES

- DesignFlex® options include made-to-order sizes available to ship in 3 weeks
- Optima® PB panels are part of the Sustain® portfolio, and meet the most stringent industry sustainability compliance standards today
- Smooth, clean, durable finish – Washable, Impact-resistant, Scratch-resistant, Soil-resistant
- Items with PB suffix are manufactured with a plant-based binder
- Outstanding acoustical performance for open plan areas, both Articulation Class 180-190 and NRC 0.90-1.00
- CleanAssure™ family of products – includes disinfectable panels, suspension systems, and trim
- Mold- and mildew-resistant surface
- Energy-saving high light-reflective finish
- Non-directional visual reduces scrap and installation time
- Sag-resistant large-size panels
- Compatible with TechZone® Ceiling Systems
- Item 3352 available with Create!™ printed images and patterns

- 30-Year Limited System Warranty against visible sag, mold, and mildew
- 10-Year replacement panel available for items 3152, 3153

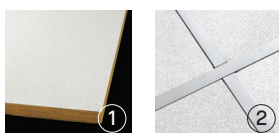


COLOR



White
(WH)

DETAILS



1. Optima® Square Lay-in
2. Optima® Square Lay-in with Prelude® XL® 15/16" suspension system

TechLine 877 276-7876
armstrongceilings.com/optima

Armstrong®
World Industries

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LEED® WELL | LBC
UP TO 71% RECYCLED CONTENT

Calculate sustainability with Green Genie™
armstrongceilings.com/greengenie

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

VISUAL SELECTION

armstrongceilings.com/suspdwgs	Susp. Dwg.	Item No.	Dimensions (Inches)	
OPTIMA® 15/16" Square Lay-in		1462	4 x 48 x 1"	
		1463	4 x 60 x 1"	
		1400	6 x 48 x 1"	
		1404	6 x 60 x 1"	
		3156	20 x 60 x 1"	
		3150 3150PB	24 x 24 x 3/4"	
		3152 3152PB	24 x 24 x 1"	
		3352	24 x 24 x 1"	
		3159	24 x 24 x 1-1/2"	

PERFORMANCE SELECTION Dots represent high level of performance.

UL Classified Acoustics		Total Acoustics ¹	Articulation Class	Fire Performance	Light Reflect	Bio-Block	Humi-Guard+	CleanAssure™ Disinfectable Panels	DURABILITY					30-Yr Warranty
NRC	+ CAC =		AC					Fog	Wash	Impact	Scratch	Soil		
-	N/A	N/A	N/A	Class A	0.88	*	*	N/A	*	*	*	*	*	*
-	N/A	N/A	N/A	Class A	0.88	*	*	N/A	*	*	*	*	*	*
-	N/A	N/A	N/A	Class A	0.88	*	*	N/A	*	*	*	*	*	*
-	N/A	N/A	N/A	Class A	0.88	*	*	N/A	*	*	*	*	*	*
0.95	N/A	N/A	190	Class A	0.88	*	*	N/A	*	*	*	*	*	*
0.90	N/A	N/A	180	Class A	0.88	*	*	N/A	*	*	*	*	*	*
0.95	N/A	N/A	190	Class A	0.88	*	*	N/A	*	*	*	*	*	*
0.90	26	N/A	190	Class A	0.88	*	*	N/A	*	*	*	*	*	*
1.00	N/A	N/A	190	Class A	0.88	*	*	N/A	*	*	*	*	*	*

MORE ITEMS ►

¹ Total Acoustics® ceiling panels have an ideal combination of sound absorption and sound blocking in one product. Optima® items with the PB suffix are included in the Sustain® portfolio and carry Declare® certification.

SUSPENSION SYSTEM

15/16" Blizzard White – Suspension System Finish
A color and texture coordinated suspension system to complement Optima® ceiling panels for a monolithic look and feel.

PHYSICAL DATA

Material
3150, 3156, 3159, 1462, 1463, 1400, 1404, 3152 – Fiberglass with DuraBrite® acoustically transparent membrane
3352 – Fiberglass with DuraBrite acoustically transparent membrane; CAC backing
3150PB, 3152PB – Fiberglass with plant-based binder and DuraBrite® acoustically transparent membrane

Surface Finish
DuraBrite scrim with factory-applied latex paint

Fire Performance
Class A: ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index of 25 or less. Smoke Developed Index of 50 or less (UL® labeled).

ASTM E1264 Classification
Type XII, Form 2, Pattern E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Anti-Mold/Mildew
Ceiling panels with BioBlock® resist the growth

of mold and mildew on the tile surface.
VOC Emissions
(PB suffix items only)
GREENGUARD Gold Certified

This product has been UL validated to be Formaldehyde-Free. UL.COM/ECV.
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.2, 2017. This standard is the guideline for low emissions in LEED®, WELL Building Standard™, Living Building Challenge® (LBC), CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Primary (Embodied) Energy
See all LCA information on our EPDs.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Application Consideration
Some items have CAC backing. CAC backing may be available as a special order. A CAC value of 37 can be achieved by backloading fiberglass products with item 769 or 770.

Insulation Value
1400, 1404, 1462, 1463, 3152, 3156, 3352, –
R Factor – 4.0 (BTU units)
R Factor – 0.70 (Watts units)

PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818



3150 – R Factor – 3.0 (BTU units)
R Factor – 0.53 (Watts units)
3159 – R Factor – 6.0 (BTU units)
R Factor – 1.05 (Watts units)

Application Consideration
Do not mix Optima panels and Optima® Health Zone® panels in the same room.

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

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com/warranty

Weight; Square Feet/Carton
1400 – 0.13 LBS/SF; 24 SF/CTN
1404 – 0.16 LBS/SF; 30 SF/CTN
1462 – 0.44 LBS/SF; 16 SF/CTN
1463 – 0.44 LBS/SF; 20 SF/CTN
3150, 3150PB – 0.44 LBS/SF; 128 SF/CTN
3152, 3152PB – 0.45 LBS/SF; 96 SF/CTN
3159 – 0.61 LBS/SF; 64 SF/CTN
3156 – 0.47 LBS/SF; 100 SF/CTN
3352 – 0.46 LBS/SF; 96 SF/CTN

Minimum Order Quantity
1 carton

Metric Items Available
3150M, 3152M, 3156M, 3159M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.



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Sustainable Ceiling Systems
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Declare.
(PB Suffix Only)

GREENGUARD
Gold Certified
(Details below)

LEED®
WELL | LBC

UP TO **71%** RECYCLED CONTENT

- energy management
- construction waste mgmt
- regional materials
- design for flexibility
- EPD
- recyclable/extended producer resp.

LOCATION DEPENDENT PB ONLY

Calculate sustainability with Green Genie™
armstrongceilings.com/greengenie

- biobased materials
- recycled content
- sourcing of raw materials
- material ingredient reporting
- low emitting materials
- lighting quality
- acoustics

PB ONLY PB ONLY

VISUAL SELECTION

armstrongceilings.com/suspdwgs	Susp. Dwg.	Item No.	Dimensions (Inches)	
OPTIMA® 15/16" Square Lay-in	1	3151 3151PB	24 × 48 × 3/4"	
		3153 3153PB	24 × 48 × 1"	
			3353	24 × 48 × 1"
			3155	24 × 48 × 1-1/2"
			3356	24 × 48 × 1-1/2"
			3164	24 × 60 × 3/4"
			3161	24 × 72 × 3/4"
			3162	24 × 96 × 3/4"
			3158	30 × 30 × 1"
			3157	30 × 60 × 1"
		3160 3160PB	48 × 48 × 1"	
		3154	48 × 96 × 1"	

PERFORMANCE SELECTION Dots represent high level of performance.

UL Classified Acoustics		Total Acoustics ¹	Articulation Class	Fire Performance	Light Reflect	Anti-Mold/Mildew	Sag Resistant	Certified Low VOC Emissions	CleanAssure™ Disinfectable Panels	DURABILITY					30-Yr Warranty
NRC	+ CAC =	AC	Class	Class	Class	Class	Class	Class	Fog	Wash	Impact	Scratch	Soil		
0.90	N/A	N/A	180	Class A	0.88	*	*	N/A	*	*	*	*	*	*	
0.95	N/A	N/A	190	Class A	0.88	*	*	N/A	*	*	*	*	*	*	
0.90	26	N/A	190	Class A	0.88	*	*	N/A	*	*	*	*	*	*	
1.00	N/A	N/A	190	Class A	0.88	*	*	N/A	*	*	*	*	*	*	
0.95	26	N/A	190	Class A	0.88	*	*	N/A	*	*	*	*	*	*	
0.90	N/A	N/A	180	Class A	0.88	*	*	N/A	*	*	*	*	*	*	
0.90	N/A	N/A	180	Class A	0.88	*	*	N/A	*	*	*	*	*	*	
0.90	N/A	N/A	180	Class A	0.88	*	*	N/A	*	*	*	*	*	*	
0.95	N/A	N/A	190	Class A	0.88	*	*	N/A	*	*	*	*	*	*	
0.95	N/A	N/A	190	Class A	0.88	*	*	N/A	*	*	*	*	*	*	
0.95	N/A	N/A	190	Class A	0.88	*	*	N/A	*	*	*	*	*	*	

¹ Total Acoustics® ceiling panels have an ideal combination of sound absorption and sound blocking in one product. Optima® items with the PB suffix are included in the Sustain® portfolio and carry Declare® certification.

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LEED® WELL™ LBC
UP TO 71% 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

Calculate sustainability with Green Genie™
armstrongceilings.com/greengenie

VISUAL SELECTION

PERFORMANCE SELECTION Dots represent high level of performance.

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Dimensions (Inches)	UL Classified Acoustics	NRC + CAC =	Total Acoustics ¹	Articulation Class	Fire Performance	Light Reflect	Anti-Mold/Mildew	Sag Resistant	Certified Low VOC Emissions	CleanAssure™ Disinfectable Panels	DURABILITY					30-Yr Warranty
											Fog	Wash	Impact	Scratch	Soil	
Non-PB 1" Thick – 15/16" Square Lay-in																
Made-to-Order Sizes	Width (short side)	Length (long side)														
OPTIMA®	4" – 6" 6-1/6" – 48"	9" – 72" 9" – 120"	N/A	N/A	N/A	N/A	Class A	0.88	*	*	N/A	*	*	*	*	*
Non-PB 1-1/2" Thick – 15/16" Square Lay-in																
	4" – 6" 6-1/16" – 42" 42-1/6" – 48"	9" – 72" 9" – 120" 42-1/6" – 114"	N/A	N/A	N/A	N/A	Class A	0.88	*	*	N/A	*	*	*	*	*
PB 1" Thick – 15/16" Square Lay-in																
	4" – 6" 6-1/16" – 24" 24-1/16" – 29-15/16" 30" – 48"	9" – 72" 9" – 96" 24-1/16" – 72" 30" – 60"	N/A	N/A	N/A	N/A	Class A	0.88	*	*	*	*	*	*	*	*

1 Ctn Min
FASTSIZE
3 WEEKS
order to ship

Visit the product page online and see "Configure an Item" to verify capabilities. Questions? email Techline@armstrongceilings.com

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SUSPENSION SYSTEM

15/16"  **Blizzard White – Suspension System Finish**
A color and texture coordinated suspension system to complement Optima® ceiling panels for a monolithic look and feel.

PHYSICAL DATA

Material
3153, 3155, 3158 – Fiberglass with DuraBrite® acoustically transparent membrane;
3353, 3356 – Fiberglass with DuraBrite acoustically transparent membrane; CAC backing
3151PB, 3153PB, 3160PB - Fiberglass with plant-based binder and DuraBrite® acoustically transparent membrane

Surface Finish
DuraBrite scrim with factory-applied latex paint

Fire Performance
Class A: ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index of 25 or less. Smoke Developed Index of 50 or less (UL* labeled).

ASTM E1264 Classification
Type XII, Form 2, Pattern E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Anti-Mold/Mildew
Ceiling panels with BioBlock® resist the growth of mold and mildew on the tile surface.

VOC Emissions
(PB suffix items only)
GREENGUARD Gold Certified
This product has been UL validated to be Formaldehyde-Free.
UL.COM/ECV.
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.2, 2017. This standard is the guideline for low emissions in LEED®, WELL Building Standard™, Living Building Challenge® (LBC), CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Primary (Embodied) Energy
See all LCA information on our EPDs.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Acoustical Details
Some items have CAC backing. CAC backing may be available as a special order. A CAC value of 37 can be achieved by backloading fiberglass products with item 769 or 770.

Insulation Value
3153, 3158, 3353, 3154, 3160, 3157 –
R Factor – 4.0 (BTU units),
R Factor – 0.70 (Watts units)
3151, 3161, 3162, 3164 –
R Factor – 3.0 (BTU units)
R Factor – 0.53 (Watts units)



3155, 3356 –
R Factor – 6.0 (BTU units)
R Factor – 1.05 (Watts units)

Application Consideration
Do not mix Optima® panels and Optima® Health Zone® panels in the same room.

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

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com/warranty

Weight; Square Feet/Carton
3151, 3151PB – 0.44 LBS/SF; 128 SF/CTN
3153, 3153PB, 3160, 3160PB – 0.45 LBS/SF; 96 SF/CTN
3356 – 0.61 LBS/SF; 64 SF/CTN
3158 – 0.47 LBS/SF; 75 SF/CTN
3353 – 0.46 LBS/SF; 96 SF/CTN
3154 – 0.45 LBS/SF; 128 SF/CTN
3157 – 0.56 LBS/SF; 100 SF/CTN
3161 – 0.43 LBS/SF; 96 SF/CTN
3164 – 0.43 LBS/SF; 100 SF/CTN
3162 – 0.42 LBS/SF; 128 SF/CTN

Minimum Order Quantity
1 carton

Metric Items Available
3151M, 3153M, 3154M, 3155M, 3158M, 3160M, 3353M, 3356M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

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BPCS-3048-1123



FIBERGLASS – Standard