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

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

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

DESIGNFlex®
A New World of Choice
for Ceiling Systems

plus capabilities to do more

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

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
- Made in the U.S.A. of domestic and global content
- Build America, Buy America (BABA) Act compliant
- 30-Year Limited System Warranty against visible sag, mold, and mildew
- 10-Year replacement panel available for items 3152, 3153

10-YEAR REPLACEMENT PANEL AVAILABILITY

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

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

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

Declare.
(PB Suffix Only)

RECYCLED CONTENT
UP TO **71%**

LEED V5
Ecomedes Data

COMMON MATERIALS FRAMEWORK	
Human Health	Climate Health — EPD
	Ecosystem Health — EPD
	Circular Economy ✓
OCCUPANT EXPERIENCE	Acoustics ✓

VISUAL SELECTION

PERFORMANCE SELECTION
Dots represent high level of performance. $$$$

armstrongceilings.com/suspdwgs	Susp. Dwg.	Item No.	Dimensions (Inches)		UL Classified Acoustics NRC + CAC =	Total Acoustics[1]	Articulation Class AC	Fire Performance	Light Reflect	Bio-Block Anti-Mold/Mildew	Humi-Guard+ Sag Resistant	Certified Low VOC Emissions	CleanAssure™ Disinfectable Panels Fog	DURABILITY Wash	Impact	Scratch	Soil	30-Yr Warranty
OPTIMA® 15/16" Square Lay-in	1	**1462**	4 × 48 × 1"		–	N/A	N/A	N/A	Class A	0.88 •	•	•	N/A	•	•	•	•	•	•
		1463	4 × 60 × 1"		–	N/A	N/A	N/A	Class A	0.88 •	•	•	N/A	•	•	•	•	•	•
		1400	6 × 48 × 1"		–	N/A	N/A	N/A	Class A	0.88 •	•	•	N/A	•	•	•	•	•	•
		1404	6 × 60 × 1"		–	N/A	N/A	N/A	Class A	0.88 •	•	•	N/A	•	•	•	•	•	•
		3156	20 × 60 × 1"		0.95 •	N/A	N/A	190 •	Class A	0.88 •	•	•	N/A	•	•	•	•	•	•
		3150 **3150PB**	24 × 24 × 3/4"		0.90 •	N/A	N/A	180 •	Class A	0.88 •	•	•	N/A •	•	•	•	•	•	•
		3152 **3152PB**	24 × 24 × 1"		0.95 •	N/A	N/A	190 •	Class A	0.88 •	•	•	N/A •	•	•	•	•	•	•
		3352	24 × 24 × 1"		0.90 •	26	N/A	190 •	Class A	0.88 •	•	•	N/A	•	•	•	•	•	•
		3159	24 × 24 × 1-1/2"		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"

Prelude®

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 B, Form B2, 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)
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.

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)
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.

FIBERGLASS – Standard

TechLine 877 276-7876
armstrongceilings.com/optima

Armstrong® World Industries

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

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

Declare.
(PB Suffix Only)

RECYCLED CONTENT
UP TO 71%

LEED V5
Ecomedes Data

COMMON MATERIALS FRAMEWORK		
Human Health	Climate Health	EPD
	Ecosystem Health	EPD
	Circular Economy	✓
OCCUPANT EXPERIENCE	Acoustics	✓

VISUAL SELECTION

PERFORMANCE SELECTION
Dots represent high level of performance. $$$$

armstrongceilings.com/suspdwgs	Susp. Dwg.	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC + CAC =	Total Acoustics[1]	Articulation Class AC	Fire Performance	Light Reflect	Bio-Block Anti-Mold/ Mildew	Humi-Guard+ Sag Resistant	Certified Low VOC Emissions	CleanAssure™ Disinfectable Panels Fog	DURABILITY Wash	Impact	Scratch	Soil	30-Yr Warranty
OPTIMA® 15/16" Square Lay-in	1	3151 3151PB	24 × 48 × 3/4"	0.90 •	N/A	N/A	180 •	Class A	0.88 •	•	•	N/A •	•	•	•	•	•	•
		3153 3153PB	24 × 48 × 1"	0.95 •	N/A	N/A	190 •	Class A	0.88 •	•	•	N/A •	•	•	•	•	•	•
		3353	24 × 48 × 1"	0.90 •	26	N/A	190 •	Class A	0.88 •	•	•	N/A	•	•	•	•	•	•
		3155	24 × 48 × 1-1/2"	1.00 •	N/A	N/A	190 •	Class A	0.88 •	•	•	N/A	•	•	•	•	•	•
		3356	24 × 48 × 1-1/2"	0.95 •	26	N/A	190 •	Class A	0.88 •	•	•	N/A	•	•	•	•	•	•
		3164	24 × 60 × 3/4"	0.90 •	N/A	N/A	180 •	Class A	0.88 •	•	•	N/A	•	•	•	•	•	•
		3161	24 × 72 × 3/4"	0.90 •	N/A	N/A	180 •	Class A	0.88 •	•	•	N/A	•	•	•	•	•	•
		3162	24 × 96 × 3/4"	0.90 •	N/A	N/A	180 •	Class A	0.88 •	•	•	N/A	•	•	•	•	•	•
		3158	30 × 30 × 1"	0.95 •	N/A	N/A	190 •	Class A	0.88 •	•	•	N/A	•	•	•	•	•	•
		3157	30 × 60 × 1"	0.95 •	N/A	N/A	190 •	Class A	0.88 •	•	•	N/A	•	•	•	•	•	•
		3160 3160PB	48 × 48 × 1"	0.95 •	N/A	N/A	190 •	Class A	0.88 •	•	•	N/A •	•	•	•	•	•	•
		3154	48 × 96 × 1"	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.

FIBERGLASS – Standard

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

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

Declare®
(PB Suffix Only)

RECYCLED CONTENT
UP TO **71%**

LEED V5
Ecomedes Data

COMMON MATERIALS FRAMEWORK	
Human Health	Climate Health — EPD
	Ecosystem Health — EPD
	Circular Economy ✓
OCCUPANT EXPERIENCE	Acoustics ✓

VISUAL SELECTION

PERFORMANCE SELECTION
Dots represent high level of performance. $$$$

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

1 Ctn Min
FASTSIZE
3 WEEKS
order to ship

Made-to-Order Sizes

OPTIMA®

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

[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"

Prelude®

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 B, Form B2, 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)
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.

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.

FIBERGLASS – Standard

TechLine / 1 877 276-7876
armstrongceilings.com/optima

BPCS-3048-925

LEED® is a registered trademark of the U.S. Green Building Council; Declare® and Living Building Challenge® (LBC) are registered trademarks of the International Living Future Institute®; WELL™ and WELL Building Standard are trademarks of the International WELL Building Institute; UL is a registered trademark of UL LLC; Revit® is a registered trademark of Autodesk, Inc.; all other trademarks used herein are the property of AWI Licensing LLC and/or its affiliates © 2025 AWI Licensing LLC

Armstrong® World Industries