OPTIMA®
OPTIMA® PB

with Plant-based Binder
Square Lay-in
fine texture

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

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

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

10-YEAR REPLACEMENT PANEL AVAILABILITY

COLOR

White
(WH)

DETAILS

①

②

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

TechLine 877 276-7876
armstrongceilings.com/optima

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OPTIMA®
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fine texture

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	Fire Performance	Light Reflect	Anti-Mold/ Mildew	Sag Resistant	Certified Low VOC Emissions	Fog	Wash	Impact	Scratch	Soil	Recycle Program	30-Yr Warranty
OPTIMA® 15/16" Square Lay-in	1	**1462**	4 x 48 x 1"	▭	–	N/A	N/A	N/A	Class A	0.88 •	•	•	N/A	•	•	•	•	•	•	•
		1463	4 x 60 x 1"	▭	–	N/A	N/A	N/A	Class A	0.88 •	•	•	N/A	•	•	•	•	•	•	•
		1400	6 x 48 x 1"	▭	–	N/A	N/A	N/A	Class A	0.88 •	•	•	N/A	•	•	•	•	•	•	•
		1404	6 x 60 x 1"	▭	–	N/A	N/A	N/A	Class A	0.88 •	•	•	N/A	•	•	•	•	•	•	•
		3156	20 x 60 x 1"	▭	0.95 •	N/A	N/A	190 •	Class A	0.88 •	•	•	N/A	•	•	•	•	•	•	•
		3150 **3150PB**	24 x 24 x 3/4"	☐	0.90 •	N/A	N/A	180 •	Class A	0.88 •	•	•	N/A	•	•	•	•	•	•	•
		3152 **3152PB**	24 x 24 x 1"	☐	0.95 •	N/A	N/A	190 •	Class A	0.88 •	•	•	N/A •	•	•	•	•	•	•	•
		3352	24 x 24 x 1"	☐	0.90 •	26	N/A	190 •	Class A	0.88 •	•	•	N/A	•	•	•	•	•	N/A	•
		3159	24 x 24 x 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

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.

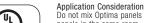**Primary (Embodied) Energy**
See all LCA information on our EPDs.

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)
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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fine texture

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

Declare.
(PB Suffix Only)

GREENGUARD
Gold Certified

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/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔

LOCATION DEPENDENT ▲   PB ONLY ▲   PB ONLY ▲ PB ONLY ▲

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 Acoustics¹	Articulation Class AC	Fire Performance	Light Reflect	Anti-Mold/ Mildew (Bio-Block)	Sag Resistant (Humi-Guard+)	Certified Low VOC Emissions	Fog (CleanAssure Disinfectable Panels)	Wash	Impact	Scratch	Soil	Recycle Program	30-Yr Warranty
OPTIMA® 15/16" Square Lay-in	1	**3151** / **3151PB**	24 x 48 x 3/4"	0.90 •	N/A	N/A	180 • Class A	0.88 •	•	•	N/A •	•	•	•	•	•	•	•
		3153 / **3153PB**	24 x 48 x 1"	0.95 •	N/A	N/A	190 • Class A	0.88 •	•	•	N/A •	•	•	•	•	•	•	•
		3353	24 x 48 x 1"	0.90 •	26	N/A	190 • Class A	0.88 •	•	•	N/A	•	•	•	•	•	N/A	•
		3155	24 x 48 x 1-1/2"	1.00 •	N/A	N/A	190 • Class A	0.88 •	•	•	N/A	•	•	•	•	•	•	•
		3356	24 x 48 x 1-1/2"	0.95 •	26	N/A	190 • Class A	0.88 •	•	•	N/A	•	•	•	•	•	N/A	•
		3164	24 x 60 x 3/4"	0.90 •	N/A	N/A	180 • Class A	0.88 •	•	•	N/A	•	•	•	•	•	•	•
		3161	24 x 72 x 3/4"	0.90 •	N/A	N/A	180 • Class A	0.88 •	•	•	N/A	•	•	•	•	•	•	•
		3162	24 x 96 x 3/4"	0.90 •	N/A	N/A	180 • Class A	0.88 •	•	•	N/A	•	•	•	•	•	•	•
		3158	30 x 30 x 1"	0.95 •	N/A	N/A	190 • Class A	0.88 •	•	•	N/A	•	•	•	•	•	•	•
		3157	30 x 60 x 1"	0.95 •	N/A	N/A	190 • Class A	0.88 •	•	•	N/A	•	•	•	•	•	•	•
		3160 / **3160PB**	48 x 48 x 1"	0.95 •	N/A	N/A	190 • Class A	0.88 •	•	•	N/A •	•	•	•	•	•	•	•
		3154	48 x 96 x 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

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fine texture

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

Declare.
(PB Suffix Only)

GREENGUARD
Gold Certified
(details below)

LEED® | WELL™ | LBC

✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
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 ▲   ▲ PB ONLY   PB ONLY ▲   PB ONLY ▲

VISUAL SELECTION

PERFORMANCE SELECTION Dots represent high level of performance.

$$$$

		Item No.	Dimensions (Inches)	UL Classified Acoustics NRC + CAC =	Total Acoustics[1]	Articulation Class AC	Fire Performance	Light Reflect	Anti-Mold/ Mildew	Sag Resistant	Certified Low VOC Emissions	CleanAssure™ Disinfectable Panels Fog	DURABILITY Wash	Impact	Scratch	Soil	Recycle Program	30-Yr Warranty
armstrongceilings. com/suspdwgs																		
Made-to-Order Sizes OPTIMA® Visit the product page online and see "Configure an Item" to verify capabilities. Questions? email Techline@armstrongceilings.com	1 Ctn Min FASTSIZE 3 WEEKS order to ship	**Non-PB 3/4" Thick – 15/16" Square Lay-in**																
		Width	Length	N/A	N/A	N/A	N/A	Class A	0.88 •	•	•	N/A	•	•	•	•	•	•
		4" – 6"	9" – 60"															
		6-1/2" – 30"	9" – 60"															
		30-1/2" – 48"	9" – 30"															
		Non-PB 1" Thick – 15/16" Square Lay-in																
		4" – 6"	9" – 72"	N/A	N/A	N/A	N/A	Class A	0.88 •	•	•	N/A	•	•	•	•	•	•
		6-1/2" – 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	•	•	•	•	•	•
		6-1/2" – 42"	9" – 120"															
		42-1/2" – 48"	4" – 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 •	•	•	N/A	•	•	•	•	•	•
		6-1/2" – 24"	9" – 96"															
		24-1/2" – 30"	9" – 60"															
		30-1/2" – 48"	9" – 48"															

[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

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.

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

UL GREENGUARD GOLD

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-3048-123

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FIBERGLASS – Standard