

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

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

  
**24/7  
DEFEND™**  
Solutions for Healthier,  
Safer Spaces  
**CONTAIN CLEAN PROTECT**

CAD/Revit® drawings at:  
[armstrongceilings.com/cadrevit](http://armstrongceilings.com/cadrevit)

  
**DESIGNFlex®**  
A New World of Choice  
for Ceiling Systems



plus capabilities  
to do more



[armstrongceilings.com/capabilities](http://armstrongceilings.com/capabilities)  
See more photos at:  
[armstrongceilings.com/photogallery](http://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 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 180-200 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

 new

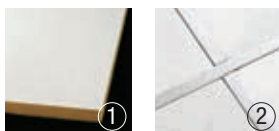
**10-YEAR**  
REPLACEMENT PANEL  
AVAILABILITY

#### 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](http://armstrongceilings.com/optima)

  
CEILING & WALL SOLUTIONS

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



UP TO **71%** RECYCLED CONTENT

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

LOCATION DEPENDENT PB ONLY

Calculate sustainability with GreenGenie™  
 armstrongceilings.com/greengenie

**VISUAL SELECTION**

armstrongceilings.com/cat/dwgs	Susp. Dwg.	Item No.	Dimensions (Inches)	
OPTIMA® 15/16" Square Lay-in 	1	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 <sup>1</sup>	Articulation Class	Fire Performance	Light Reflect	Anti-Mold/Mildew	Sag Resistant	Certified Low VOC Emissions	CleanAssure™ Disinfectable Panels	DURABILITY					Recycle Program	30-Yr Warranty
NRC	+ CAC =	AC	Class	Class	Class	Class	Class	Class	Fog	Wash	Impact	Scratch	Soil	Recycle Program	30-Yr Warranty	
-	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	200	Class A	0.88	.	.	N/A	.	.	.	.	.	.	N/A	.
1.00	N/A	N/A	200	Class A	0.88	.	.	N/A	.	.	.	.	.	.	.	.

**MORE ITEMS** ▶

<sup>1</sup> 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

**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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Square Lay-in  
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

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
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LOCATION DEPENDENT PB ONLY

Calculate sustainability with GreenGenie™  
armstrongceilings.com/greengenie

PB ONLY PB ONLY

VISUAL SELECTION

PERFORMANCE SELECTION Dots represent high level of performance.

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armstrongceilings.com/catdwgs	Susp. Dwg.	Item No.	Dimensions (Inches)	UL Classified Acoustics	Total Acoustics <sup>1</sup>	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	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	200 Class A	0.88	.	.	N/A	.	.	.	.	.	.	N/A	.
		3155	24 x 48 x 1-1/2"	1.00	N/A	N/A	200 Class A	0.88	.	.	N/A	.	.	.	.	.	.	.	.
		3356	24 x 48 x 1-1/2"	0.95	26	N/A	200 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	.	.	.	.	.	.	.	.

<sup>1</sup> 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®**  
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 fine texture



**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

LOCATION DEPENDENT PB ONLY PB ONLY PB ONLY

Calculate sustainability with GreenGenie™ [armstrongceilings.com/greengenie](http://armstrongceilings.com/greengenie)

**VISUAL SELECTION**

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

armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)		UL Classified Acoustics	NRC + CAC =	Total Acoustics <sup>1</sup> Articulation Class	Fire Performance Class	Light Reflect	Anti-Mold/Mildew	Sag Resistant	Certified Low VOC Emissions	CleanAssure™ Disinfectable Panels	Fog	Wash	Impact	Scratch	Soil	Recycle Program	30-Yr Warranty	DURABILITY			
		Width	Length																	•	•	•	•
<p>Made-to-Order Sizes</p> <p><b>OPTIMA®</b></p> <p>Visit the product page online and see "Configure an Item" to verify capabilities. Questions? email <a href="mailto:Techline@armstrongceilings.com">Techline@armstrongceilings.com</a></p> <p><b>1 Ctn Min FASTSIZE 3 WEEKS order to ship</b></p>	<b>Non-PB 3/4" Thick – 15/16" Square Lay-in</b>																						
		4" – 6"	9" – 60"	N/A	N/A	N/A	N/A	Class A	0.88	•	•	N/A	•	•	•	•	•	•	•	•	•		
		6-1/2" – 24"	4" – 96"																				
		24-1/2" – 30"	4" – 60"																				
		30-1/2" – 48"	4" – 30"																				
	<b>Non-PB 1" Thick – 15/16" Square Lay-in</b>																						
		4" – 6"	9" – 72"	N/A	N/A	N/A	N/A	Class A	0.88	•	•	N/A	•	•	•	•	•	•	•	•	•		
		6-1/2" – 48"	4" – 120"																				
	<b>Non-PB 1-1/2" Thick – 15/16" Square Lay-in</b>																						
		4" – 6"	9" – 72"	N/A	N/A	N/A	N/A	Class A	0.88	•	•	N/A	•	•	•	•	•	•	•	•	•		
		6-1/2" – 42"	4" – 120"																				
		42-1/2" – 48"	4" – 114"																				
<b>PB 1" Thick – 15/16" Square Lay-in</b>																							
	4" – 6"	9" – 72"	N/A	N/A	N/A	N/A	Class A	0.88	•	•	•	•	•	•	•	•	•	•	•	•			
	6-1/2" – 24"	4" – 96"																					
	24-1/2" – 30"	4" – 60"																					
	30-1/2" – 48"	4" – 48"																					

<sup>1</sup> 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**  
 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.

**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](http://armstrongceilings.com/cleaning)

**30-Year Performance Guarantee & Warranty**  
 When installed with Armstrong® Suspension System. Details at [armstrongceilings.com/warranty](http://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.

