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[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 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



#### COLOR



White  
(WH)

#### DETAILS



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

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



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

armstrongceilings.com/suspdwgs	Susp. Dwg.	Item No.	Dimensions (Inches)	
OPTIMA®	1	1462	4 × 48 × 1"	
15/16" Square Lay-in		1463	4 × 60 × 1"	
		1400	6 × 48 × 1"	
		1404	6 × 60 × 1"	
		3156	20 × 60 × 1"	
		3150	24 × 24 × 3/4"	
		3150PB		
		3152	24 × 24 × 1"	
		3152PB		
		3352	24 × 24 × 1"	
		3159	24 × 24 × 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		Bio-Block		Humi-Guard+		Sag Resistant		Certified Low VOC Emissions		CleanAssure™ Disinfectable Panels		DURABILITY					30-Yr Warranty
																									
NRC	+ CAC =			AC																					
-	N/A	N/A	N/A	Class A	0.88	*	*	N/A	*	*	N/A	*	*	N/A	*	*	N/A	*	*	*	*	*	*	*	*
-	N/A	N/A	N/A	Class A	0.88	*	*	N/A	*	*	N/A	*	*	N/A	*	*	N/A	*	*	*	*	*	*	*	*
-	N/A	N/A	N/A	Class A	0.88	*	*	N/A	*	*	N/A	*	*	N/A	*	*	N/A	*	*	*	*	*	*	*	*
-	N/A	N/A	N/A	Class A	0.88	*	*	N/A	*	*	N/A	*	*	N/A	*	*	N/A	*	*	*	*	*	*	*	*
0.95	N/A	N/A	190	Class A	0.88	*	*	N/A	*	*	N/A	*	*	N/A	*	*	N/A	*	*	*	*	*	*	*	*
0.90	N/A	N/A	180	Class A	0.88	*	*	N/A	*	*	N/A	*	*	N/A	*	*	N/A	*	*	*	*	*	*	*	*
0.95	N/A	N/A	190	Class A	0.88	*	*	N/A	*	*	N/A	*	*	N/A	*	*	N/A	*	*	*	*	*	*	*	*
0.90	26	N/A	190	Class A	0.88	*	*	N/A	*	*	N/A	*	*	N/A	*	*	N/A	*	*	*	*	*	*	*	*
1.00	N/A	N/A	190	Class A	0.88	*	*	N/A	*	*	N/A	*	*	N/A	*	*	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  
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](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**  
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.

# 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

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

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UL Classified Acoustics		Total Acoustics¹	Articulation Class	Fire Performance	Light Reflect	Bio-Block	Humi-Guard+	Certified Low VOC Emissions	CleanAssure™ Disinfectable Panels		DURABILITY					30-Yr Warranty
NRC	+ CAC =								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	*	*	*	*	*	*		
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.

