OPTIMA® OPTIMA®

with Plant-based Binder Square Lay-in fine texture



Sustainable Ceiling Systems









See Optima® Shapes Personalize Your Design!

Mix and match different sizes. shapes, and materials to reinvent your ceiling. More at: armstrongceilings.com/designflex





Smooth-textured Optima® panels provide excellent acoustical absorption and more standard-size options than any other texture in the line.

KEY SELECTION ATTRIBUTES



- DesignFlex[™] options include shapes and tailor-made 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)
- · 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, 3253



TYPICAL APPLICATIONS

- · Open plan offices
- · Computer rooms
- · Corridors (walls-to-deck)
- · Auditoriums
- · Waiting rooms/nurses' stations
- · Areas with indirect lighting systems

COLOR



(WH)

DETAILS





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



with Plant-based Binder Square Lay-in fine texture

VISUAL SELECTION



High Performance Sustainable Ceiling Systems

Declare[™]

Living Building

Challenge Compliant

PB Suffix Only



PB ONLY PB ONLY \$\$\$\$

PERFORMANCE SELECTION Dots represent high level of performance

Edge Profile	Susp. Dwg Pgs. 407-41 armstrongceiling com/catdwgs	ı Item	Dimensions (Inches)		UL Class Acous		Total Acoustics ¹	Articulation Class	Fire Performance	Light Reflect	Mold & Mildew Protection	Sag Resist	Certified Low VOC Emissions	Mash Wash	Impact	Scratch	Soil Soil	Recycled Content	Recycle Program	30-Yr Warranty
OPTIMA	OPTIMA® Square Lay-in										Bio- Block	Humi- Guard+			— Dura	bility —				
15/16" Square Lay-in	1	1462	4 x 48 x 1"		N/A	N/A	-	N/A	Class A	0.90	•	•	-	•	•	•	•	•	•	•
	1	1463	4 x 60 x 1"		N/A	N/A	-	N/A	Class A	0.90	•	•	-	•	•	•	•	•	•	•
	1	1400	6 x 48 x 1"		N/A	N/A	-	N/A	Class A	0.90	•	•	-	•	•	•	•	•	•	•
	1	1404	6 x 60 x 1"		N/A	N/A	-	N/A	Class A	0.90	•	•	-	•	•	•	•	•	•	•
	1	3156	20 x 60 x 1"		0.95	N/A	-	190	Class A	0.90	•	•	-	•	•	•	•	•	•	•
	1	3150 3150PB	24 x 24 x 3/4"		0.90	N/A	-	180	Class A	0.90	•	•	-	•	•	•	•	•	•	•
	1	3152 3152PB	24 x 24 x 1"		0.95	N/A	-	190	Class A	0.90	•	•	-	•	•	•	•	•	•	•
	1	3352	24 x 24 x 1"		0.90	26	-	200	Class A	0.90	•	•	_	•	•	•	•	•	_	•
	1	3159	24 x 24 x 1-1/2"		1.00	N/A	-	200	Class	0.90	•	•	-	•	•	•	•	•	•	•

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

SUSPENSION SYSTEMS

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 with factory-applied latex paint

Fire Performance ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 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.

 $\begin{array}{ll} \textbf{Mold/Mildew Protection} \\ \text{Ceiling panels with BioBlock}^{\circledcirc} \text{ resist the growth} \\ \text{of mold and mildew}. \end{array}$

VOC Emissions

(PB suffix items only)
Third-party certified compliant with California
Department of Public Health CDPH/EHLB/Standard
Method Version 1.1, 2010. This standard is the

quideline for low emissions in LEED. 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

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 ConsiderationDo not mix Optima panels and Optima® Health Zone™ panels in the same room.

30-Year Performance Guarantee & Warranty

When installed with Armstrong® Suspension System.
Details at armstrongceilings.com

Weight; Square Feet/Carton

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 3150, 3150PB – 0.45 lbs/SF; 96 SF/ctn 3159 – 0.61 lbs/SF; 64 SF/ctn 3156 – 0.47 lbs/SF; 100 SF/ctn 3156 – 0.47 lbs/SF; 96 SF/ctn

Minimum Order Quantity 1 carton

Metric Items Available

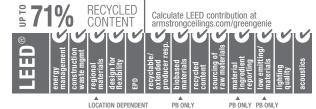
3150M, 3152M, 3156M, 3159M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.



with Plant-based Binder Square Lay-in fine texture Declare

Living Building
Challenge Compliant
PB Suffix Only

SUSTAIN®
High Performance
Sustainable
Ceiling Systems



VISUAL SELECTION

PERFORMANCE SELECTION Dots re	represent high level of performance.
-------------------------------	--------------------------------------

110071	L OLLLOTTON	0	1111111111111	L OLL	-0110	, DC	no ropi	oodiit iiig	11 10 001 1	or perio	manco	•							
Edge Profile	Susp. Dwg. Pgs. 407-411 Item armstrongceilings. No. com/catdwgs	Dimensions (Inches)		UL Cla Acou	ssified stics	Total Acoustics ¹	Articulation Class	Fire Performance	Light Reflect	Mold & Mildew Protection	Sag Resist	Certified Low VOC Emissions	Wash Wash	Impact	N Scratch	Soil	Recycled Content	Recycle Program	30-Yr Warranty
OPTIM	A® Square Lay-in									Block	Guard+			— Dura	ıbility —		1		
15/16" Square Lay-in	1 3151 3151PB	24 x 48 x 3/4"		0.90	N/A	-	180	Class A	0.90	•	•	•	•	•	•	•	•	•	•
	1 3153	24 x 48 x 1"		0.95	N/A	-	190	Class A	0.90	•	•	•	•	•	•	•	•	•	•
	1 3353	24 x 48 x 1"		0.90	26	-	200	Class A	0.90	•	•	-	•	•	•	•	•	-	•
	1 3155	24 x 48 x 1-1/2	"	1.00	N/A	-	200	Class A	0.90	•	•	_	•	•	•	•	•	•	•
	1 3356	24 x 48 x 1-1/2	"	0.95	26	_	200	Class A	0.90	•	•	-	•	•	•	•	•	-	•
	1 3164	24 x 60 x 3/4"		0.90	N/A	-	180	Class A	0.90	•	•	_	•	•	•	•	•	•	•
	1 3161	24 x 72 x 3/4"		0.90	N/A	-	180	Class A	0.90	•	•	-	•	•	•	•	•	•	•
	1 3162	24 x 96 x 3/4"		0.90	N/A	-	180	Class A	0.90	•	•	_	•	•	•	•	•	•	•
	1 3158	30 x 30 x 1"		0.95	N/A	-	190	Class A	0.90	•	•	_	•	•	•	•	•	•	•
	1 3157	30 x 60 x 1"		0.95	N/A	-	190	Class A	0.90	•	•	_	•	•	•	•	•	•	•
	3160 3160PB	48 x 48 x 1"		0.95	N/A	-	190	Class A	0.90	•	•	-	•	•	•	•	•	•	•
	1 3154	48 x 96 x 1"		0.95	N/A	-	190	Class A	0.90	•	•	-	•	•	•	•	•	•	•

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





with Plant-based Binder Square Lay-in fine texture

VISUAL SELECTION



Declare^{s™} Living Building Challenge Compliant PB Suffix Only

High Performance Sustainable Ceiling Systems



PB ONLY

PB ONLY PB ONLY

\$\$\$\$

PERFORMANCE SELECTION	Dots represent high level of performance.
_	

Edge Profile	Dimensions (Inches)		UL Clas Acous	sified stics	II Total Acoustics ¹	시하는 Articulation Class	Fire Performance	Light Reflect	Mold & Mildew Protection	Sag Resist	Certified Low VOC Emissions	Wash	Impact	Scratch	Soil	- Recycled Content	Recycle Program	30-Yr Warranty
OPTIMA® Size Capabilities	Width	Length	흥 1	UAU	4	<u>[</u>	ш а.	Ş	Bio- Block	Humi- Guard+		a G	— Dura	bility –	○	1.0	<u> </u>	<u> </u>
15/16" Square to-Order	Non-PB 3/4" Thick		N/A	N/A	_	N/A	Class		•	•	_	•	•	•	•	•	•	•
Square Lay-in Experiment to Corder Sizes (3 Wks)	4" - 5-1/2" 6" - 11-1/2" 12" - 30-1/2" 31" - 48"	9" - 60" 6" - 60" 4" - 96" 4" - 30"					А	•										
	Non-PB 1" Thick	N/A	N/A	-	N/A	Class		•	•	_	•	•	•	•	•	•	•	
	4" - 5-1/2" 6" - 11-1/2" 12" - 48"	9" - 72" 6" - 72" 4" - 120"					А	•										
	Non-PB 1-1/2" Thick		N/A	N/A	_	N/A	Class	0.90	•	•	_	•	•	•	•	•	•	•
	4" - 5-1/2" 6" - 11-1/2" 12" - 42-1/2" 43" - 48"	9" - 77" 6" - 77" 4" - 114" 4" - 120"			Α •													
	→ PB 1" Thick		N/A	N/A	_	N/A	Class		•	•	-	•	•	•	•	•	•	•
	4" - 5-1/2" 6" - 11-1/2" 12" - 24-1/2" 25" - 30-1/2" 31" - 48"	9" - 72" 6" - 72" 4" - 96" 4" - 60" 4" - 48"					A	•										

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

SUSPENSION SYSTEMS

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

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
ASTM E84 and CAN/ULC \$102 surface burning
characteristics. Flame Spread Index 25 or less.
Smoke Developed Index 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

Mold/Mildew Protection

Ceiling panels with BioBlock® resist the growth of mold and mildew.

VOC Emissions

(PB suffix items only)

Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title

TechLine / 1 877 276-7876

(search: optima) BPCS-3048-418

armstrongceilings.com/commercial

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

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.

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

Weight; Square Feet/Carton 3151, 3151PB - 0.44 lbs/SF; 128 SF/ctn 3153, 3153PB, 3160, 3160PB - 0.45 lbs/SF; 96 SF/ctn

3153, 3153PB, 3160, 3160PB - 0.45 3155, 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 3164 - 0.43 lbs/SF; 100 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

LEED® is a registered trademark of the U.S. Green Building Council Declare[™] is a service mark of The International Living Future Institute UL is a registered trademark of UL LLC. All other trademarks used herein are the property of AWI Licensing LLC and/or its affiliates © 2018 AWI Licensing LLC Printed in the United States of America

