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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



(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

SUSTAIN

Declare.

High Performance Sustainable Ceiling Systems (PB Suffix Only)

RECYCLED CONTENT UP TO 19%

COMMON MATERIALS FRAMEWORK

OCCUPANT EXPERIENCE

EPD EPD Ecosystem Health Circular Economy

0 **Ø** Acoustics

VICUAL OF FOTION DEDECORMANCE OF FOTION ...

| VISUAL SELECTION | | | | | PERFORMANCE SELECTION Dots represent high level of performance. | | | | | | | | | | | | \$\$\$\$ | | | | | | |
|------------------------------------|---------------|----------------|---------------------|-----|---|---------|---------------------------------|-----------------------|---------------------|---------------|----------------------|------------------|--------------------------------|-----------------------------------|-----------|--------|----------|------|----------------|--|--|--|--|
| | | | | | | | 7- | E | эог | ect | Bio- Block | | Low | CleanAssure™ Disinfectable Pan | DU els | IRABIL | ITY | | ranty | | | | |
| | | | | | UL Cla Acou | ssified | Total Acoustics ¹ | Articulation Class | Fire Performance | Light Reflect | Anti-Mold/ Mildew | Sag Resistant | Certified Low VOC Emissions | Fog | Wash | Impact | Scratch | Soil | 30-Yr Warranty | | | | |
| armstrongceilings. com/suspdwgs | Susp. Dwg. | Item No. | Dimensions (Inches) | | NRC | - CAC = | | AC = | (3) | | | 0 | | | | æ'^\ | | | | | | | |
| OPTIMA® 15/16" | 1 | 1462 | 4 × 48 × 1" | | - | N/A | N/A | N/A | Class A | 0.88 | ۰ | ۰ | N/A | 0 | 0 | ٠ | • | ٠ | • | | | | |
| Square Lay-in | | 1463 | 4 × 60 × 1" | | _ | N/A | N/A | N/A | Class A | 0.88 | ٠ | ۰ | N/A | ٠ | 0 | ٠ | ۰ | ٠ | • | | | | |
| | | 1400 | 6 × 48 × 1" | | - | N/A | N/A | N/A | Class A | 0.88 | ٠ | ٠ | N/A | 0 | 0 | ٠ | • | ٠ | • | | | | |
| | | 1404 | 6 × 60 × 1" | | _ | N/A | N/A | N/A | Class A | 0.88 | ٠ | ٠ | N/A | ٠ | • | • | • | • | • | | | | |
| | | 3156 | 20 × 60 × 1" | | 0.95 | N/A | N/A | 190 | Class A | 0.88 | ٠ | ٠ | N/A | • | 0 | ۰ | • | ٠ | • | | | | |
| | | 3150 3150PB | 24 × 24 × 3/4" | | 0.90 | N/A | N/A | 180 | Class A | 0.88 | • | 0 | N/A ° | • | • | • | • | 0 | • | | | | |
| | | 3152 3152PB | 24 × 24 × 1" | | 0.95 | N/A | N/A | 190 | Class A | 0.88 | • | ٠ | N/A • | ۰ | ٠ | • | • | ٠ | • | | | | |
| | | 3352 | 24 × 24 × 1" | | 0.90 | 26 | N/A | 190 | Class A | 0.88 | ٠ | ٠ | N/A | ۰ | ٠ | ٠ | ٠ | ٠ | • | | | | |
| | | 3159 | 24 × 24 × 1-1/2 | · 🗆 | 1.00 | N/A | N/A | 190 | Class | 0.88 | • | • | N/A | • | • | • | • | • | • | | | | |
| | | | | * | | | • | А | • | | | | 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



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

ntermorate
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.



$OPTIMA^{\circledR}$ OPTIMA® PB

with Plant-based Binder Square Lay-in fine texture

| 5 |
|---------|
| SUSTAIN |

RECYCLED CONTENT

UP TO 71%

EPD EPD Ecosystem Health Circular Economy **Ø**

Declare. (PB Suffix Only)

High Performance Sustainable Ceiling Systems (PB Suffix Only) 0 OCCUPANT EXPERIENCE Acoustics

| VISUAL SELECTION | | | | | PERFORMANCE SELECTION Dots represent high level of performance. | | | | | | | | | | | \$\$\$\$ | | | | |
|------------------------------------|-------|---|----------------|------------------------|---|----------------|---------|---------------------------------|--------------------|------------------|---------------|---------------------------|------------------|--------------------------------|-----------------------------------|----------|--------|-----------|------|----------------|
| armstrongceilings. com/suspdwgs | Susp. | | Item No. | Dimensions (Inches) | | UL Cla Acou | ssified | Total Acoustics ¹ | Articulation Class | Fire Performance | Light Reflect | Anti-Mold/ Solging Mildew | Sag Resistant | Certified Low VOC Emissions | CleanAssure* Disinfectable Panels | Wash | Impact | Scratch A | Soil | 30-Yr Warranty |
| OPTIMA® 15/16" Square Lay-in | 1 | ø | 3151 3151PB | 24 × 48 × 3/4" | | 0.90 | N/A | N/A | 180 | Class A | 0.88 | • | • | N/A ° | • | • | ٠ | • | • | • |
| | | ø | 3153 3153PB | 24 × 48 × 1" | | 0.95 | N/A | N/A | 190 | Class A | 0.88 | ٠ | • | N/A ° | ۰ | ٠ | ٠ | ٠ | • | • |
| | | | 3353 | 24 × 48 × 1" | | 0.90 | 26 | N/A | 190 | Class A | 0.88 | ٠ | • | N/A | • | • | ۰ | ٠ | • | • |
| | | | 3155 | 24 × 48 × 1-1/2 | " | 1.00 | N/A | N/A | 190 | Class A | 0.88 | ٠ | ۰ | N/A | • | ٠ | ۰ | ۰ | • | • |
| | | | 3356 | 24 × 48 × 1-1/2 | " | 0.95 | 26 | N/A | 190 | Class A | 0.88 | ٠ | ۰ | N/A | 0 | ٠ | • | 0 | • | • |
| | | | 3164 | 24 × 60 × 3/4" | | 0.90 | N/A | N/A | 180 | Class A | 0.88 | • | • | N/A | • | ۰ | • | ٠ | • | • |
| | | | 3161 | 24 × 72 × 3/4" | | 0.90 | N/A | N/A | 180 | Class A | 0.88 | 0 | • | N/A | 0 | ۰ | ۰ | ٠ | • | • |
| | | | 3162 | 24 × 96 × 3/4" | | 0.90 | N/A | N/A | 180 | Class A | 0.88 | 0 | • | N/A | 0 | ۰ | ۰ | ٠ | • | • |
| | | | 3158 | 30 × 30 × 1" | | 0.95 | N/A | N/A | 190 | Class A | 0.88 | 0 | • | N/A | 0 | ۰ | ۰ | ٠ | • | • |
| | | | 3157 | 30 × 60 × 1" | | 0.95 | N/A | N/A | 190 | Class A | 0.88 | ٠ | ۰ | N/A | ۰ | • | • | • | • | • |
| | | ø | 3160 3160PB | 48 × 48 × 1" | | 0.95 | N/A | N/A | 190 | Class A | 0.88 | ٠ | • | N/A ° | 0 | ٠ | • | 0 | • | • |
| | | | 3154 | 48 × 96 × 1" | | 0.95 | N/A | N/A | 190 | Class A | 0.88 | ٠ | ۰ | N/A | • | ۰ | • | ۰ | • | • |

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.



OPTIMA® OPTIMA® PB

with Plant-based Binder Square Lay-in fine texture

SUSTAIN High Performance Sustainable Ceiling Systems (PB Suffix Only)

Declare.

UP TO 1%

RECYCLED CONTENT

OCCUPANT EXPERIENCE

COMMON MATERIALS FRAMEWORK

EPD EPD Ecosystem Health 0

Circular Economy 0 Acoustics

VISUAL SELECTION

Made-to-Order

Sizes

OPTIMA®

Visit the product page online and see "Configure an Item" to verify capabilities. Questions?

email Techline@armstrongceilings.com

PERFORMANCE SELECTION Dots represent high level of performance.

CleanAssure™ Disinfectable Panels Humi-Guard+

(II) UI Classified Acoustics

Fire Performance Light Reflect Articulation Class

Certified Low VOC Emissions Fog

DURABILITY

Soil









\$\$\$\$ 30-Yr Warranty

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

, more details.

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

Dimensions

Non-PB 1" Thick - 15/16" Square Lay-in

Non-PB 1-1/2" Thick - 15/16" Square Lay-in

Length

(long side)

9" - 72"

9" -120"

9" - 72"

9" -120"

9" - 72

42-1/6" - 114

Width

WEEKS

(short side)

4" - 6"

4" - 6"

→ PB 1" Thick – 15/16" Square Lay-in 4" - 6"

6-1/16" - 24" 9" - 96" 24-1/16" - 29-15/16" 24-1/16" - 72" 30" - 48" 30" - 60"

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.

Blizzard White - Suspension System Finish A color and texture coordinated suspension system to complement Optima® ceiling panels

for a monolithic look and feel.

6-1/16" - 42"

42-1/6" - 48'

6-1/6" - 48'

+ CAC =

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

Total Acoustics¹

N/A Class 0.88

Α

N/A Class 0.88

Α

N/A Class 0.88

Α

N/A

N/A











PHYSICAL DATA

SUSPENSION SYSTEM

Prelude®

Material

15/16

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)

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