OPTIMA® Concealed
OPTIMA® PB Concealed
with Plant-based Binder

fine texture

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

CAD/Revit® drawings at:
armstrongceilings.com/cadrevit

DESIGNFlex®
A New World of Choice
for Ceiling Systems



Optima Concealed panels with Prelude XL HD 15/16" suspension system



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

Fine-textured panels with fully concealed suspension and downward accessibility; ideal for projects where plenum space is limited. Offers high sound absorption.

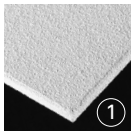
KEY SELECTION ATTRIBUTES

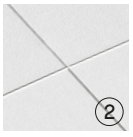
- DesignFlex® options include made-to-order sizes available to ship in 3 weeks
- Large format acoustical panels
- Downward accessible for minimal plenum height
- Outstanding acoustical performance for open plan areas, both Articulation Class 180 and NRC 0.90
- Items with PB suffix are manufactured with a plant-based binder
- Optima® PB Concealed panels are part of the Sustain® portfolio and meet the most stringent industry sustainability compliance standards today
- CleanAssure™ family of products – includes disinfectable panels, suspension systems, and trim
- Mold- and mildew-resistant surface
- Smooth, clean, durable finish –
  Washable
  Scratch-resistant
  Soil-resistant
- Energy saving, high light-reflective finish
- 30-Year Limited System Warranty against visible sag, mold, and mildew
- Available with factory-cut holes for USAI® trimless downlight fixture integration
- Made in the U.S.A. of domestic and global content
- Build America, Buy America (BABA) Act compliant

COLOR

White
(WH)

DETAILS





1. Optima® Concealed
2. Optima® Concealed with Prelude® XL® HD 15/16" suspension system

TechLine 877 276-7876
armstrongceilings.com/optimaconcealed

Armstrong®
World Industries

OPTIMA® Concealed
OPTIMA® PB Concealed
with Plant-based Binder

fine texture

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

Declare.

RECYCLED CONTENT
UP TO 71%

LEED V5
Ecomedes Data

COMMON MATERIALS FRAMEWORK

Human Health	Declare Label	Climate Health	EPD
	HPD	Ecosystem Health	EPD
	3rd Party CDPH	Circular Economy	✓
OCCUPANT EXPERIENCE		Acoustics	✓

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 AC	Fire Performance	Light Reflect	Bio-Block Anti-Mold/Mildew	Humi-Guard Sag Resistant	CleanAssure™ Disinfectable Panels Fog	DURABILITY Wash	DURABILITY Scratch	DURABILITY Soil	30-Yr Warranty
OPTIMA® Concealed	106	8537	24 × 48 × 7/8"	0.90	N/A	N/A	180	Class A	0.88	•	•	•	•	•	•	•
		8537PB														
Quick Kerf™ Edge		8535	24 × 72 × 7/8"	0.90	N/A	N/A	180	Class A	0.88	•	•	•	•	•	•	•
		8535PB														
		8536	24 × 96 × 7/8"	0.90	N/A	N/A	180	Class A	0.88	•	•	•	•	•	•	•
		8536PB														
Non-support Edge		8534	30 × 30 × 7/8"	0.90	N/A	N/A	180	Class A	0.88	•	•	•	•	•	•	•
		8534PB														
		8538	48 × 48 × 7/8"	0.90	N/A	N/A	180	Class A	0.88	•	•	•	•	•	•	•
		8538PB														
		8539	48 × 48 × 7/8"	0.80	26	N/A	180	Class A	0.88	•	•	•	•	•	•	•
		8539PB														
			7/8" Thick													
Made-to-Order Sizes			Width (short side) / Length (long side)	N/A	N/A	N/A	N/A	Class A	0.88	•	•	•	•	•	•	•
			4" – 6" / 9" – 120"													
			12" – 30" / 4" – 120"													
			36" – 48" / 4" – 48"													

1 Ctn Min
FASTSIZE
3 WEEKS
order to ship

Visit the product page online and see "Configure an Item" to verify capabilities. Questions? email Techline@armstrongceilings.com

[1] Total Acoustics® ceiling panels have an ideal combination of sound absorption and sound blocking in one product.
GOOD (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)

FIXTURE TRIM

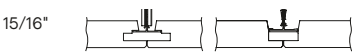
Item No.	Color	Length	PCS/CTN
CTK4ZW	Blizzard White	4" Concealed Fixture Kit	24
CTK6ZW	Blizzard White	6" Concealed Fixture Kit	24
CTK24ZW	Blizzard White	24" Concealed Fixture Kit	24
CTK48ZW	Blizzard White	48" Concealed Fixture Kit	24
CTK72ZW	Blizzard White	72" Concealed Fixture Kit	24
CTK96ZW	Blizzard White	96" Concealed Fixture Kit	24
Other Size Fixture Trims	Blizzard White (custom colors available)	4" to 96" Trim Pieces	–

Fixture trim kits include 24 straight trim pieces and required speed clips. Example: For a space with 24" x 48" fixtures, order (1) 24" kit CTK24ZW and (1) 48" kit CTK48ZW. This will frame (12) 24" x 48" fixtures.

ACCESSORIES (must be ordered separately)

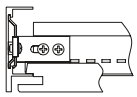
Item No.		
441		Border Clip for Vector® panels (required for installations with the suspension system resting on the wall molding). Primarily used for corners and special cutouts.
442		Hold-down Clip for Vector® panels (for all installations)
7425 (24"), **7431** (30"), **7445** (48"), **7461** (60") Stabilizer Bars		
522		Midpoint Clip (Needed for panels over 30" wide)
7870		Spring Border Clip (For installations with the panel resting on the wall molding)

SUSPENSION SYSTEMS

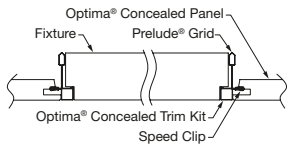


Quick Kerf Edge Non-support Edge
Prelude® XL® HD

AXIOM® TRIM DETAIL



Optima Concealed panels with Axiom Vector trim for cloud-friendly design. **Blizzard White** color and texture finish available to complement Optima ceiling panels.



PHYSICAL DATA

Material
8534, 8535, 8536, 8537, 8538 – Fiberglass with DuraBrite® acoustically transparent membrane. 8539 – 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 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 tiles with BioBlock® performance resist the growth of mold and mildew on the tile surface.

Acoustical Details
Some items have CAC backing. CAC backing may be available as a special order.

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.

Insulation Value
R Factor – 3.5 (BTU units); R Factor – 0.62 (Watts units)

Design Consideration
Installation of lighting or mechanical systems requires care to avoid lipping or unacceptable panel alignment. Concealed panels are not recommended for mechanically dense areas or if frequent access is needed.

Use fixture trim kit around all lights, diffusers, and other ceiling penetrations to avoid exposed suspension system and panel edges. Panel sizes less than 24" × 24" are not recommended for full field installations.

Border panels in a seismic installation will not be accessible. To ensure border panels are accessible in other areas, consult installation instructions Section 3.7.2

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.

Installation Consideration
Optima Concealed panels must be installed on a square, level suspension system as tolerance is near zero.

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
8534, 8534PB – 0.55 LBS/SF; 75 SF/CTN
8535, 8535PB – 0.55 LBS/SF; 72 SF/CTN
8536, 8537, 8536PB, 8537PB – 0.55 LBS/SF; 96 SF/CTN
8538, 8539, 8538PB, 8539PB – 0.55 LBS/SF; 64 SF/CTN

Minimum Order Quantity
1 carton

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BPCS-5061-526

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Armstrong® World Industries

FIBERGLASS – Standard