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

fine texture

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

DESIGNFlex®
A New World of Choice
for Ceiling Systems

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

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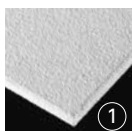
KEY SELECTION ATTRIBUTES

· 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

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TechLine 877 276-7876
armstrongceilings.com/optimaconcealed

Armstrong®
World Industries

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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 Acoustics¹	Articulation Class	Fire Performance	Light Reflect	Bio-Block Anti-Mold/Mildew	Humi-Guard Sag Resistant	CleanAssure™ Disinfectable Panels Fog	DURABILITY Wash	Scratch	Soil	30-Yr Warranty
OPTIMA® Concealed	106	**8537** / **8537PB**	24 × 48 × 7/8"	0.90 / N/A	N/A	180	Class A	0.88	●	●	●	●	●	●	●
Quick Kerf™ Edge		**8535** / **8535PB**	24 × 72 × 7/8"	0.90 / N/A	N/A	180	Class A	0.88	●	●	●	●	●	●	●
		8536 / **8536PB**	24 × 96 × 7/8"	0.90 / N/A	N/A	180	Class A	0.88	●	●	●	●	●	●	●
Non-support Edge		**8534** / **8534PB**	30 × 30 × 7/8"	0.90 / N/A	N/A	180	Class A	0.88	●	●	●	●	●	●	●
		8538 / **8538PB**	48 × 48 × 7/8"	0.90 / N/A	N/A	180	Class A	0.88	●	●	●	●	●	●	●
		8539 / **8539PB** 7/8" Thick	48 × 48 × 7/8"	0.80 / 26	N/A	180	Class A	0.88	●	●	●	●	●	●	●
Made-to-Order Sizes			Width (short side) / Length (long side)	N/A / N/A	N/A	N/A	Class A	0.88	●	●	●	●	●	●	●

1 Ctn Min FASTSIZE 3 WEEKS order to ship

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

Width (short side): 24" – 96" / 30-1/16" – 48"
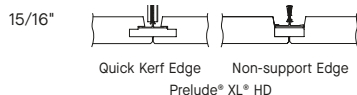Length (long side): 24" – 30" / 24" – 48"

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

15/16"

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.

Optima® Concealed Panel
Fixture
Prelude® Grid
Optima® Concealed Trim Kit
Speed Clip

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
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
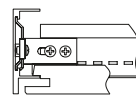8538, 8539, 8538PB, 8539PB – 0.55 LBS/SF; 64 SF/CTN

Minimum Order Quantity
1 carton

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FIBERGLASS – Standard