OPTIMA® PB Shapes for DESIGNFLEX®

with Plant-based Binder
Tegular
fine texture

SUSTAIN®
High Performance
Sustainable
Ceiling Systems

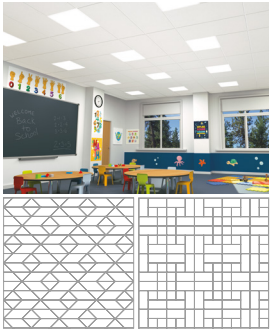


Optima PB Shapes panels with Suprafine XM 9/16" suspension system

DESIGNFLEX®
Ceiling Systems

Shapes Sizes Colors

Personalize your design at:
armstrong.com/designflex



See more patterns at:
armstrong.com/patterngallery

Fine-textured ceiling panels available in shapes and made-to-order sizes with Sustain® performance. Available to ship in 3 weeks.

KEY SELECTION ATTRIBUTES

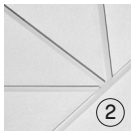
- DesignFlex® options include shapes and made-to-order sizes available to ship in 3 weeks
- Mix and match – Shapes also available with Calla®, Lyra®, Ultima®, MetalWorks™, and WoodWorks® panels
- Optima® PB panels are manufactured with a plant-based binder and are part of the Sustain® portfolio, and 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
- Excellent sound absorption – NRC 0.95
- Light reflectance – 0.88
- Shaped lights and diffusers are available from our DesignFlex® partners. Our lighting partners for TechZone® and MEP partners also provide products that are compatible with the DesignFlex® system; other standard modular and pendant fixtures can also be used with this ceiling system
- Washable, Scratch-resistant, Soil-resistant
- Made in the U.S.A. of domestic and global content
- Build America, Buy America (BABA) Act compliant
- 10-Year Limited System Warranty against visible sag, mold, and mildew

COLOR

White
(WH)

DETAILS





1. Optima® PB Shapes Tegular
2. Optima® PB Shapes Tegular with Suprafine® XM 9/16" suspension system

TechLine 877 276-7876
armstrong.com/optimashapes

Armstrong®
World Industries

OPTIMA® PB Shapes for DESIGNFLEX®

with Plant-based Binder
Tegular
fine texture

SUSTAIN®
High Performance
Sustainable Ceiling Systems

Declare®

RECYCLED CONTENT
UP TO
71%

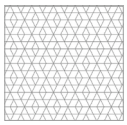
LEED V5
Ecomedes Data

COMMON MATERIALS FRAMEWORK

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

Start your design process with a visit to our online pattern gallery at: armstrong.com/patterngallery

See dozens of pre-designed patterns and colors online in our pattern gallery. We've provided all of the details – from takeoffs showing 2' or 4' on-center spacing to panels, suspension, trims, and accessories. Installation instructions answer questions typically associated with unique ceiling installations. Lighting and air diffusers can also be easily integrated. If you can't find the ceiling pattern you envision for your next space online, call us and we'll help you create a design to personalize your space – 877 276-7876.

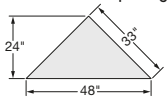
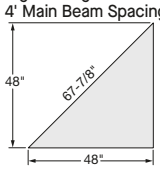




These 9 Optima® PB Shapes with Square Tegular edges are available with Suprafine® XM 9/16" suspension:

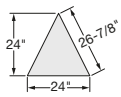
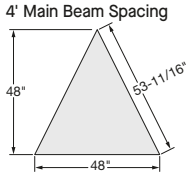
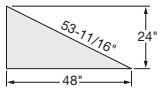
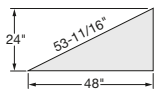
45° SHAPES

Triangles

	Item No.	Description/ Dimensions (Inches)
2' Main Beam Spacing 	100200	Triangle 24 × 48 × 1"
Total Acoustics[1]	NRC + CAC = NRC + CAC	
	0.95	N/A –
Right Triangle – 2' Main Beam Spacing 	100207	Right Triangle – 24 × 24 × 1"
Total Acoustics[1]	NRC + CAC = NRC + CAC	
	0.95	N/A –
Right Triangle – 4' Main Beam Spacing 	100208	Right Triangle – 48 × 48 × 1"
Total Acoustics[1]	NRC + CAC = NRC + CAC	
	0.95	N/A –

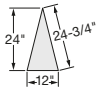
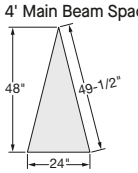
60° SHAPES

Triangles

	Item No.	Description/ Dimensions (Inches)
2' Main Beam Spacing 	100201	Triangle 24 × 24 × 1"
Total Acoustics[1]	NRC + CAC = NRC + CAC	
	0.95	N/A –
4' Main Beam Spacing 	100202	Triangle 48 × 48 × 1"
Total Acoustics[1]	NRC + CAC = NRC + CAC	
	0.95	N/A –
Right Triangle – 2' Main Beam Spacing 	100205	Right Triangle – Left 24 × 48 × 1"
Total Acoustics[1]	NRC + CAC = NRC + CAC	
	0.95	N/A –
	100206	Right Triangle – Right 24 × 48 × 1"
Total Acoustics[1]	NRC + CAC = NRC + CAC	
	0.95	N/A –

75° SHAPES

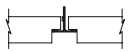
Triangles

	Item No.	Description/ Dimensions (Inches)
2' Main Beam Spacing 	100203	Triangle 24 × 12 × 1"
Total Acoustics[1]	NRC + CAC = NRC + CAC	
	0.95	N/A –
4' Main Beam Spacing 	100204	Triangle 48 × 24 × 1"
Total Acoustics[1]	NRC + CAC = NRC + CAC	
	0.95	N/A –

MORE ITEMS ▶

[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+)

SUSPENSION SYSTEMS

9/16" 

Suprafine® XM for Shapes

PARTNER COMPANIES

For more information on our partner companies, please visit armstrong.com/partners

Compatible with:
Axis Geometrix™ Lighting, JLC-Tech FLEX® and T-BAR LED® Lights and Price® diffusers.

Shaped infill panels are available for applicable lighting fixtures. Add L I N F to the end of any Shape panel item number to order. Metal diffuser infills are available from the diffuser manufacturer.

PHYSICAL DATA

Material
Fiberglass with DuraBrite® acoustically transparent membrane

Surface Finish
DuraBrite with factory-applied latex paint

Fire Performance
Class A: 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 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.

VOC Emissions
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
Classified as containing 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.

Seismic Restraint
Suprafine® XM for Shapes suspension systems have been engineered, tested, and approved for use with DesignFlex® Shapes panels for application in all seismic areas when installed per Armstrong® Ceilings installation instructions. For more details, visit armstrong.com/shapesinstallation

Insulation Value
R Factor – 2.2 (BTU units); R Factor – 0.39 (Watts units)

Cleaning and Disinfecting
Cleaning and CDC-recommended disinfecting options available on armstrong.com/cleaning

10-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrong.com/warranty

Weight; Pieces/Carton
100203 – 0.4 LBS/PC; 24 PCS/CTN
100201 – 0.8 LBS/PC; 12 PCS/CTN
100207 – 0.8 LBS/PC; 24 PCS/CTN
100208 – 3.2 LBS/PC; 12 PCS/CTN
100200, 100204 – 1.6 LBS/PC; 12 PCS/CTN
100205, 100206 – 1.6 LBS/PC; 24 PCS/CTN
100202 – 3.2 LBS/PC; 6 PCS/CTN

Minimum Order Quantity
1 carton

TechLine 877 276-7876
armstrong.com/optimashapes

Armstrong® World Industries

DESIGNFLEX® SHAPES

OPTIMA® PB Shapes for DESIGNFLEX®

with Plant-based Binder
Tegular
fine texture

SUSTAIN®
High Performance
Sustainable Ceiling Systems

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	✓

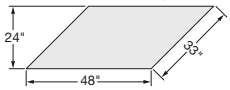
PANEL OPTIONS (shown in finish view from below ceiling)

These 10 Optima® PB Shapes with Square Tegular edges are available with Suprafine® XM 9/16" suspension:

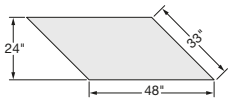
45° SHAPES

Parallelograms

2' Main Beam Spacing



Item No.	Description/ Dimensions (Inches)	Total Acoustics[1] NRC	CAC	NRC + CAC
100213	Right Parallelogram 24 × 48 × 1"	0.95 •	N/A	–

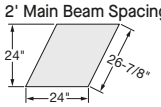


Item No.	Description/ Dimensions (Inches)	Total Acoustics[1] NRC	CAC	NRC + CAC
100214	Left Parallelogram 24 × 48 × 1"	0.95 •	N/A	–

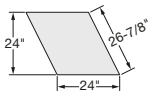
60° SHAPES

Parallelograms

2' Main Beam Spacing

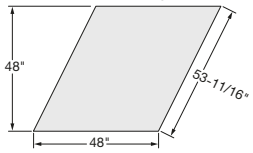


Item No.	Description/ Dimensions (Inches)	Total Acoustics[1] NRC	CAC	NRC + CAC
100215	Right Parallelogram 24 × 24 × 1"	0.95 •	N/A	–

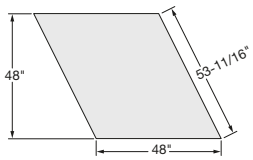


Item No.	Description/ Dimensions (Inches)	Total Acoustics[1] NRC	CAC	NRC + CAC
100216	Left Parallelogram 24 × 24 × 1"	0.95 •	N/A	–

4' Main Beam Spacing



Item No.	Description/ Dimensions (Inches)	Total Acoustics[1] NRC	CAC	NRC + CAC
100217	Right Parallelogram 48 × 48 × 1"	0.95 •	N/A	–

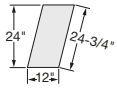


Item No.	Description/ Dimensions (Inches)	Total Acoustics[1] NRC	CAC	NRC + CAC
100218	Left Parallelogram 48 × 48 × 1"	0.95 •	N/A	–

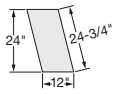
75° SHAPES

Parallelograms

2' Main Beam Spacing

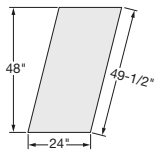


Item No.	Description/ Dimensions (Inches)	Total Acoustics[1] NRC	CAC	NRC + CAC
100219	Right Parallelogram 24 × 12 × 1"	0.95 •	N/A	–

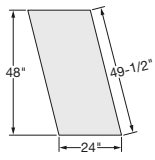


Item No.	Description/ Dimensions (Inches)	Total Acoustics[1] NRC	CAC	NRC + CAC
100220	Left Parallelogram 24 × 12 × 1"	0.95 •	N/A	–

4' Main Beam Spacing



Item No.	Description/ Dimensions (Inches)	Total Acoustics[1] NRC	CAC	NRC + CAC
100221	Right Parallelogram 48 × 24 × 1"	0.95 •	N/A	–

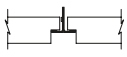


Item No.	Description/ Dimensions (Inches)	Total Acoustics[1] NRC	CAC	NRC + CAC
100222	Left Parallelogram 48 × 24 × 1"	0.95 •	N/A	–

[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+)

SUSPENSION SYSTEMS

9/16"



Suprafine® XM for Shapes

PARTNER COMPANIES

For more information on our partner companies, please visit armstrong.com/partners

Compatible with:
Axis Geometrix™ Lighting, JLC-Tech FLEX® and T-BAR LED® Lights and Price® diffusers.

Shaped infill panels are available for applicable lighting fixtures. Add L I N F to the end of any Shape panel item number to order. Metal diffuser infills are available from the diffuser manufacturer.

PHYSICAL DATA

Material
Fiberglass with DuraBrite® acoustically transparent membrane

Surface Finish
DuraBrite with factory-applied latex paint

Fire Performance
Class A: 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 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.

VOC Emissions
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
Classified as containing 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.

Seismic Restraint
Suprafine® XM for Shapes suspension systems have been engineered, tested, and approved for use with DesignFlex® Shapes panels for application in all seismic areas when installed per Armstrong® Ceilings installation instructions. For more details, visit armstrong.com/shapesinstallation

Insulation Value
R Factor – 2.2 (BTU units)
R Factor – 0.39 (Watts units)

Cleaning and Disinfecting
Cleaning and CDC-recommended disinfecting options available on armstrong.com/cleaning

10-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrong.com/warranty

Weight; Pieces/Carton
100219, 100220 – 0.8 LBS/PC; 24 PCS/CTN
100215, 100216 – 1.6 LBS/PC; 12 PCS/CTN
100213, 100214, 100221, 100222 – 3.2 LBS/PC; 12 PCS/CTN
100217, 100218 – 6.4 LBS/PC; 6 PCS/CTN

Minimum Order Quantity
1 carton

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RECYCLED CONTENT
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Ecomedes Data

COMMON MATERIALS FRAMEWORK

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

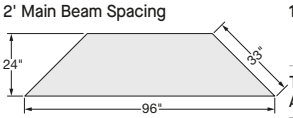
PANEL OPTIONS (shown in finish view from below ceiling)

These 4 Optima® PB Shapes with Square Tegular edges are available with Suprafine® XM 9/16" suspension:

45° SHAPES

Trapezoids

2' Main Beam Spacing



Item No.	Description/ Dimensions (Inches)
100209	Trapezoid 24 × 96 × 1"

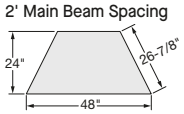
Total Acoustics[1]

NRC	+	CAC	=	NRC + CAC
0.95		N/A		–

60° SHAPES

Trapezoids

2' Main Beam Spacing



Item No.	Description/ Dimensions (Inches)
100210	Trapezoid 24 × 48 × 1"

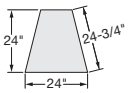
Total Acoustics[1]

NRC	+	CAC	=	NRC + CAC
0.95		N/A		–

75° SHAPES

Trapezoids

2' Main Beam Spacing

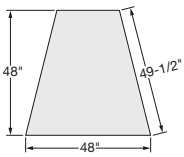


Item No.	Description/ Dimensions (Inches)
100211	Trapezoid 24 × 24 × 1"

Total Acoustics[1]

NRC	+	CAC	=	NRC + CAC
0.95		N/A		–

4' Main Beam Spacing



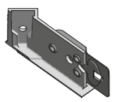
Item No.	Description/ Dimensions (Inches)
100212	Trapezoid 48 × 48 × 1"

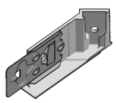
Total Acoustics[1]

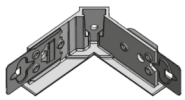
NRC	+	CAC	=	NRC + CAC
0.95		N/A		–

[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+)

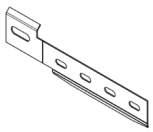
SUSPENSION COMPONENTS System utilizes Suprafine® XM suspension components including angle brackets, corner brackets, main beams, cross tees, and perimeter clips.

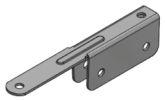

Right Angle Bracket


Left Angle Bracket


Double Angle Bracket

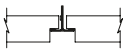

Corner Bracket


Axiom® Perimeter Corner Clip


Perimeter Angle Clip

SUSPENSION SYSTEMS

9/16"


Suprafine® XM for Shapes

PARTNER COMPANIES For more information on our partner companies, please visit armstrong.com/partners

Compatible with:
Axis Geometrix™ Lighting, JLC-Tech FLEX® and T-BAR LED® Lights and Price® diffusers.

Shaped infill panels are available for applicable lighting fixtures. Add L I N F to the end of any Shape panel item number to order. Metal diffuser infills are available from the diffuser manufacturer.

PHYSICAL DATA

Material
Fiberglass with DuraBrite® acoustically transparent membrane

Surface Finish
DuraBrite with factory-applied latex paint

Fire Performance
Class A: 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 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.

VOC Emissions
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
Classified as containing 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.

Seismic Restraint
Suprafine® XM for Shapes suspension systems have been engineered, tested, and approved for use with DesignFlex® Shapes panels for application in all seismic areas when installed per Armstrong® Ceilings installation instructions. For more details, visit armstrong.com/shapesinstallation

Insulation Value
R Factor – 2.2 (BTU units)
R Factor – 0.39 (Watts units)

Cleaning and Disinfecting
Cleaning and CDC-recommended disinfecting options available on armstrong.com/cleaning

10-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrong.com/warranty

Weight; Pieces/Carton
100211 – 1.2 LBS/PC; 12 PCS/CTN
100210 – 2.4 LBS/PC; 12 PCS/CTN
100209, 100212 – 4.8 LBS/PC; 6 PCS/CTN

Minimum Order Quantity
1 carton

DESIGNFLEX® SHAPES

TechLine / 877 276-7876
armstrong.com/optimashapes
BPCS-5808-826

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