

OPTIMA® PB Shapes
for DESIGNFlex®
with Plant-based Binder
Tegular
fine texture



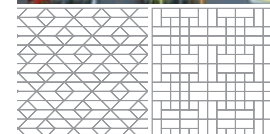
CONTAIN CLEAN PROTECT



DESIGNFlex® CEILING SYSTEMS

PERSONALIZE YOUR DESIGN!

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



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

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 sustainability compliance standards today
- new** 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
- Product can be recycled through the Armstrong Ceilings Recycling Program
- 10-Year Limited System Warranty against visible sag, mold, and mildew

COLOR



White
(WH)

DETAILS



- Optima® PB Shapes Tegular
- Optima® PB Shapes Tegular with Suprafine® XM 9/16" suspension system

OPTIMA® PB Shapes for DESIGNflex®

with Plant-based Binder
Tegular
fine texture

SUSTAIN*
High Performance
Sustainable Ceiling Systems

GREENGUARD
Gold Certified
(details below)

Declare.

LEED® WELL™ LBC

71% RECYCLED CONTENT

- energy management
- construction waste mgmt
- regional materials
- design for flexibility
- EPD
- recyclable/excise producer resp.
- biobased materials
- recycled content
- sourcing of raw materials
- material ingredient reporting
- low emitting materials
- lighting quality
- acoustics

Calculate sustainability with GreenGenie™
armstrongceilings.com/greengenie

LOCATION DEPENDENT

Start your design process with a visit to our online pattern gallery at: armstrongceilings.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 – 1 877 276-7876.

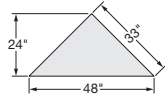


These 9 Optima® PB Shapes with Square Tegular edges are available with Suprafine® XM 9/16" suspension:

45° SHAPES

Triangles

2' Main Beam Spacing



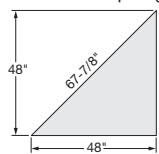
Item No.	Description/ Dimensions (Inches)
100200	Triangle 24 x 48 x 1"
Total Acoustics ¹	
NRC	CAC
0.95	N/A

Right Triangle –
2' Main Beam Spacing



Item No.	Description/ Dimensions (Inches)
100207	Right Triangle – 24 x 24 x 1"
Total Acoustics ¹	
NRC	CAC
0.95	N/A

Right Triangle –
4' Main Beam Spacing

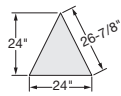


Item No.	Description/ Dimensions (Inches)
100208	Right Triangle – 48 x 48 x 1"
Total Acoustics ¹	
NRC	CAC
0.95	N/A

60° SHAPES

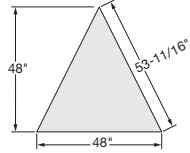
Triangles

2' Main Beam Spacing



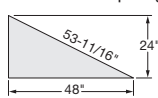
Item No.	Description/ Dimensions (Inches)
100201	Triangle 24 x 24 x 1"
Total Acoustics ¹	
NRC	CAC
0.95	N/A

4' Main Beam Spacing

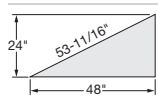


Item No.	Description/ Dimensions (Inches)
100202	Triangle 48 x 48 x 1"
Total Acoustics ¹	
NRC	CAC
0.95	N/A

Right Triangle –
2' Main Beam Spacing



Item No.	Description/ Dimensions (Inches)
100205	Right Triangle – Left 24 x 48 x 1"
Total Acoustics ¹	
NRC	CAC
0.95	N/A

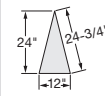


Item No.	Description/ Dimensions (Inches)
100206	Right Triangle – Right 24 x 48 x 1"
Total Acoustics ¹	
NRC	CAC
0.95	N/A

75° SHAPES

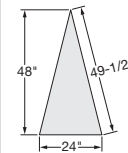
Triangles

2' Main Beam Spacing



Item No.	Description/ Dimensions (Inches)
100203	Triangle 24 x 12 x 1"
Total Acoustics ¹	
NRC	CAC
0.95	N/A

4' Main Beam Spacing



Item No.	Description/ Dimensions (Inches)
100204	Triangle 48 x 24 x 1"
Total Acoustics ¹	
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"



PARTNER COMPANIES

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



Anti-Mold/Mildew

Ceiling tiles with BioBlock® performance resist the growth of mold and mildew on the tile surface.

VOC Emissions

GREENGUARD Gold Certified

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®

PRODUCT CERTIFIED
FOR LOW CHEMICAL
EMISSIONS
UL.COM/GG
UL 2818



Shaped infill panels are available for applicable lighting fixtures. Add LINE to the end of any Shape panel item number to order. Metal diffuser inflills are available from the diffuser manufacturer.

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 armstrongceilings.com/cleaning

10-Year Performance Guarantee & Warranty

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

Weight; Pieces/Carton

100203 – 0.4 lbs/pc; 24 pcs/ctn	100200, 100204 – 1.6 lbs/pc; 12 pcs/ctn
100201 – 0.8 lbs/pc; 12 pcs/ctn	100205, 100206 – 1.6 lbs/pc; 24 pcs/ctn
100207 – 0.8 lbs/pc; 24 pcs/ctn	100208 – 3.2 lbs/pc; 12 pcs/ctn

Minimum Order Quantity
1 carton

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 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.

TechLine 877 276-7876

armstrongceilings.com/optimashapes

Armstrong®
CEILING & WALL SOLUTIONS



DESIGNflex® SHAPES

OPTIMA® PB Shapes

for DESIGNFlex®

with Plant-based Binder

Tegular
fine texture



SUSTAIN®
High Performance
Sustainable Ceiling Systems

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Declare.

LEED® WELL™ LBC

71% RECYCLED CONTENT

- energy management
- construction waste mgmt
- regional materials
- design for flexibility
- EPD
- recyclable/extended producer resp.
- biobased materials
- recycled content
- sourcing of raw materials
- material ingredient reporting
- low emitting materials
- lighting quality
- acoustics

Calculate sustainability with GreenGenie™
armstrongceilings.com/greengenie

LOCATION DEPENDENT

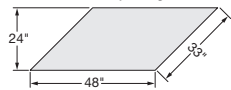
PANEL OPTIONS (shown in finish view from below ceiling)

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

45° SHAPES

Parallelograms

2' Main Beam Spacing

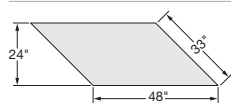


Item No. 100213 **Description/Dimensions (Inches)** Right Parallelogram 24 x 48 x 1"

Total Acoustics¹

$$\text{NRC} + \text{CAC} = \text{NRC} + \text{CAC}$$

0.95 N/A -



Item No. 100214 **Description/Dimensions (Inches)** Left Parallelogram 24 x 48 x 1"

Total Acoustics¹

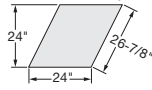
$$\text{NRC} + \text{CAC} = \text{NRC} + \text{CAC}$$

0.95 N/A -

60° SHAPES

Parallelograms

2' Main Beam Spacing

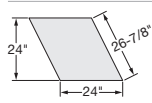


Item No. 100215 **Description/Dimensions (Inches)** Right Parallelogram 24 x 24 x 1"

Total Acoustics¹

$$\text{NRC} + \text{CAC} = \text{NRC} + \text{CAC}$$

0.95 N/A -



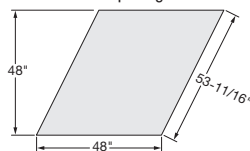
Item No. 100216 **Description/Dimensions (Inches)** Left Parallelogram 24 x 24 x 1"

Total Acoustics¹

$$\text{NRC} + \text{CAC} = \text{NRC} + \text{CAC}$$

0.95 N/A -

4' Main Beam Spacing

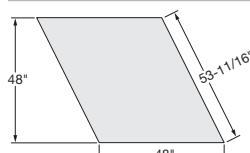


Item No. 100217 **Description/Dimensions (Inches)** Right Parallelogram 48 x 48 x 1"

Total Acoustics¹

$$\text{NRC} + \text{CAC} = \text{NRC} + \text{CAC}$$

0.95 N/A -



Item No. 100218 **Description/Dimensions (Inches)** Left Parallelogram 48 x 48 x 1"

Total Acoustics¹

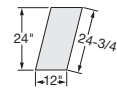
$$\text{NRC} + \text{CAC} = \text{NRC} + \text{CAC}$$

0.95 N/A -

75° SHAPES

Parallelograms

2' Main Beam Spacing

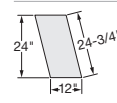


Item No. 100219 **Description/Dimensions (Inches)** Right Parallelogram 24 x 12 x 1"

Total Acoustics¹

$$\text{NRC} + \text{CAC} = \text{NRC} + \text{CAC}$$

0.95 N/A -



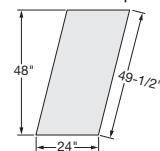
Item No. 100220 **Description/Dimensions (Inches)** Left Parallelogram 24 x 12 x 1"

Total Acoustics¹

$$\text{NRC} + \text{CAC} = \text{NRC} + \text{CAC}$$

0.95 N/A -

4' Main Beam Spacing

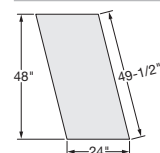


Item No. 100221 **Description/Dimensions (Inches)** Right Parallelogram 48 x 24 x 1"

Total Acoustics¹

$$\text{NRC} + \text{CAC} = \text{NRC} + \text{CAC}$$

0.95 N/A -



Item No. 100222 **Description/Dimensions (Inches)** Left Parallelogram 48 x 24 x 1"

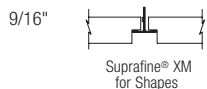
Total Acoustics¹

$$\text{NRC} + \text{CAC} = \text{NRC} + \text{CAC}$$

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 SYSTEMS



PARTNER COMPANIES

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

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



Shaped infill panels are available for applicable lighting fixtures. Add **L I N E** 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 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.
- Anti-Mold/Mildew**
Ceiling tiles with BioBlock® performance resist the growth of mold and mildew on the tile surface.

- VOC Emissions**
GREENGUARD Gold Certified
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 armstrongceilings.com/shapesinstallation

PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS
UL.COM/GG UL 2818



- 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 armstrongceilings.com/cleaning
- 10-Year Performance Guarantee & Warranty**
When installed with Armstrong® Suspension System. Details at armstrongceilings.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

DESIGNFlex® SHAPES

OPTIMA® PB Shapes for DESIGNFlex®

with Plant-based Binder
Tegular
fine texture

SUSTAIN®
High Performance
Sustainable Ceiling Systems

GREENGUARD
Gold Certified
(details below)

Declare.

LEED® WELL™ LBC

71% RECYCLED CONTENT

energy management
construction waste mgmt
regional materials
design for flexibility
EPD
recyclable/excise producer resp.
biobased materials
recycled content
sourcing of raw materials
material ingredient reporting
low emitting materials
lighting quality
acoustics

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armstrongceilings.com/greengenie

LOCATION DEPENDENT

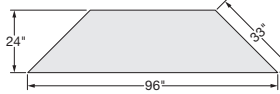
PANEL OPTIONS (shown in finish view from below ceiling)

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. **100209** Description/Dimensions (Inches)
Trapezoid
24 x 96 x 1"

Total Acoustics¹

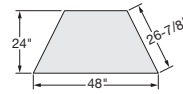
$$\text{NRC} + \text{CAC} = \text{NRC} + \text{CAC}$$

0.95 N/A -

60° SHAPES

Trapezoids

2' Main Beam Spacing



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

Total Acoustics¹

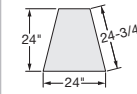
$$\text{NRC} + \text{CAC} = \text{NRC} + \text{CAC}$$

0.95 N/A -

75° SHAPES

Trapezoids

2' Main Beam Spacing



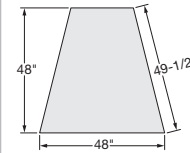
Item No. **100211** Description/Dimensions (Inches)
Trapezoid
24 x 24 x 1"

Total Acoustics¹

$$\text{NRC} + \text{CAC} = \text{NRC} + \text{CAC}$$

0.95 N/A -

4' Main Beam Spacing



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

Total Acoustics¹

$$\text{NRC} + \text{CAC} = \text{NRC} + \text{CAC}$$

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 armstrongceilings.com/partners

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



Shaped infill panels are available for applicable lighting fixtures. Add **L I N E** to the end of any Shape panel item number to order. Metal diffuser inflills 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 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.

Anti-Mold/Mildew
Ceiling tiles with BioBlock® performance resist the growth of mold and mildew on the tile surface.

VOC Emissions
GREENGUARD Gold Certified
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 armstrongceilings.com/shapesinstallation

PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818



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 armstrongceilings.com/cleaning

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

