

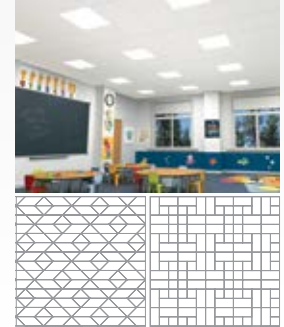


Personalize Your Design!

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



Optima® Shapes panels with Suprafine® XM 9/16" suspension system (Pgs. 160-161)



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

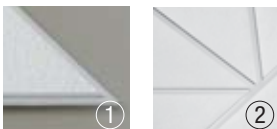
KEY SELECTION ATTRIBUTES

- new** • DESIGNFlex™ options include shapes and sizes available to ship in 3 weeks
- Mix and match – Shapes also available with Calla®, Lyra®, Ultima®, and MetalWorks™ panels
- Optima® panels are manufactured with a plant-based binder and are part of the Sustain® portfolio, and meet the most stringent sustainability compliance standards today
- Excellent sound absorption – NRC (0.95)
- Light reflectance – 0.90
- Shaped lights and diffusers are available from our DESIGNFlex™ partners. Our TechZone® lighting 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, Impact-resistant, 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



DETAILS



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

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

See dozens of pre-designed patterns and shapes 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® Shapes with Square Tegular edges are available with Suprafine® XM 9/16" suspension:

45° SHAPES

Triangles

2' Main Beam Spacing	100200 Triangle 24 x 48 x 1"
Total Acoustics¹	
NRC + CAC = NRC + CAC	
0.95	N/A –

Right Triangle – 2' Main Beam Spacing	100207 Right Triangle – 24 x 24 x 1"
Total Acoustics¹	
NRC + CAC = NRC + CAC	
0.95	N/A –

Right Triangle – 4' Main Beam Spacing	100208 Right Triangle – 48 x 48 x 1"
Total Acoustics¹	
NRC + CAC = NRC + CAC	
0.95	N/A –

60° SHAPES

Triangles

2' Main Beam Spacing	100201 Triangle 24 x 24 x 1"
Total Acoustics¹	
NRC + CAC = NRC + CAC	
0.95	N/A –

4' Main Beam Spacing	100202 Triangle 48 x 48 x 1"
Total Acoustics¹	
NRC + CAC = NRC + CAC	
0.95	N/A –

Right Triangle – 2' Main Beam Spacing	100205 Right Triangle – Left 24 x 48 x 1"
Total Acoustics¹	
NRC + CAC = NRC + CAC	
0.95	N/A –

	100206 Right Triangle – Right 24 x 48 x 1"
Total Acoustics¹	
NRC + CAC = NRC + CAC	
0.95	N/A –

75° SHAPES

Triangles

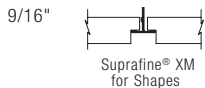
2' Main Beam Spacing	100203 Triangle 24 x 12 x 1"
Total Acoustics¹	
NRC + CAC = NRC + CAC	
0.95	N/A –

4' Main Beam Spacing	100204 Triangle 48 x 24 x 1"
Total Acoustics¹	
NRC + CAC = NRC + CAC	
0.95	N/A –

MORE ITEMS ▶

¹ Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance 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 FLEX T-BAR LED
Lights and Price diffusers.



Shaped infill panels are available for applicable lighting fixtures. Add **LINF** 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
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.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, 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



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

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

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
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
100208 – 3.2 lbs/pc; 12 pcs/ctn

Minimum Order Quantity
1 carton



OPTIMA® Shapes for DESIGNFlex™

with Plant-based Binder

Tegular
fine texture

PANEL OPTIONS (shown in finish view from below ceiling)



**PLANT
BASED
BINDER**

**GREENGUARD
Gold Certified**
(details below)

Declare™
Living Building
Challenge Compliant



SUSTAIN®
High Performance
Sustainable
Ceiling Systems

**71% RECYCLED
CONTENT**

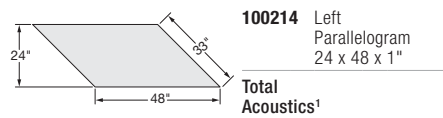
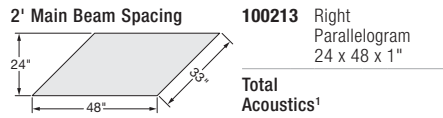
Calculate LEED contribution at
armstrongceilings.com/greengenie

LOCATION DEPENDENT

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

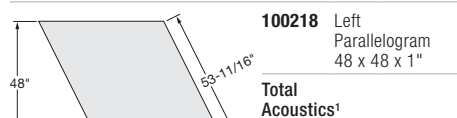
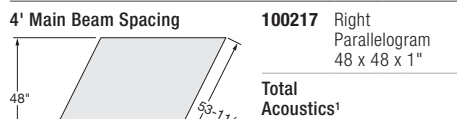
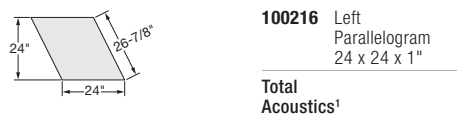
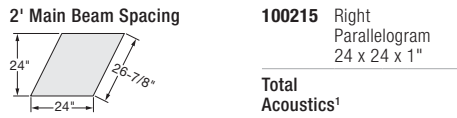
45° SHAPES

Parallelograms



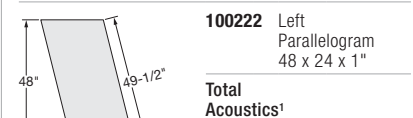
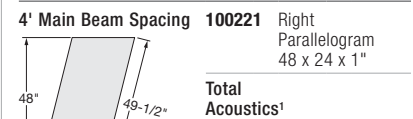
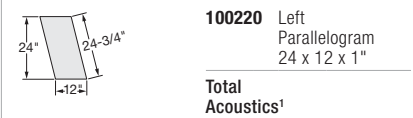
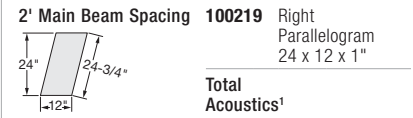
60° SHAPES

Parallelograms



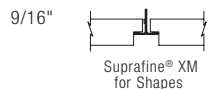
75° SHAPES

Parallelograms



¹ Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance 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

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Compatible with:
Axis Geometrix™ Lighting,
JLC-Tech FLEX T-BAR 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
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.

Mold/Mildew Protection
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VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, 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.

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



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

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

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

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

