

# CALLA® Shapes for DESIGNFLEX®

Tegular  
smooth texture



**TOTAL  
ACOUSTICS®**  
Sound Absorption (NRC)  
+ Sound Blocking (CAC)



**SUSTAIN®**  
High Performance  
Sustainable  
Ceiling Systems



# DESIGNFLEX® CEILING SYSTEMS

## PERSONALIZE YOUR DESIGN!

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



Calla® Shapes panels with Suprafine® XM 9/16" suspension system



Smoothest ceiling panels available in shapes, made-to-order sizes, and colors with Total Acoustics® and Sustain® performance. Available to ship in 3 weeks.

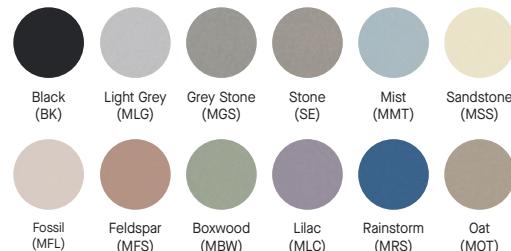
## KEY SELECTION ATTRIBUTES

- DesignFlex® options include shapes, made-to-order sizes, and colors available to ship in 3 weeks
- Mix and match – Shapes also available with Lyra®, Ultima®, Optima®, MetalWorks™, and WoodWorks® panels
- Get total sound absorption and floor plan versatility with Total Acoustics® ceiling panel options: NRC + CAC = Total Acoustics Performance
- Calla® 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
- Light reflectance – 0.85 (white only)
- Mold- and mildew-resistant surface
- 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
- USDA-Certified Biobased Product – 91%
- 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

**COLORS** Due to printing limitations, shade may vary from actual product.



These colors are pre-qualified to meet Sustain® portfolio requirements.



Other made-to-order colors must be evaluated if sustainability criteria is required. Lead time will increase.

## DETAILS



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

TechLine 877 276-7876

[armstrongceilings.com/callashapes](http://armstrongceilings.com/callashapes)

**Armstrong®**  
World Industries

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smooth texture



SUSTAIN<sup>®</sup>  
High Performance  
Sustainable Ceiling Systems

Declare.

GREENGUARD  
Gold Certified  
(details below)

LEED<sup>®</sup> LBC

UP TO 85% RECYCLED CONTENT

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

Calculate sustainability with Green Genie™  
[armstrongceilings.com/green genie](http://armstrongceilings.com/green genie)

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

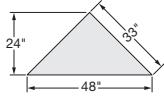


These 9 Calla® Shapes with Square Tegular edges are available with Suprafine® XM 9/16" suspension:

## 45° SHAPES

### Triangles

2' Main Beam Spacing



Item No.  
Description/  
Dimensions  
(Inches)

100100 Triangle 24 x 48 x 1"

Total Acoustics<sup>1</sup>  
 + =   
0.80 \* 31 -

Right Triangle – 2' Main Beam Spacing

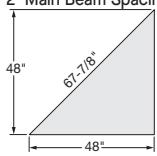


Item No.  
Description/  
Dimensions  
(Inches)

100107 Right Triangle – 24 x 24 x 1"

Total Acoustics<sup>1</sup>  
 + =   
0.80 \* N/A -

Right Triangle – 2' Main Beam Spacing



Item No.  
Description/  
Dimensions  
(Inches)

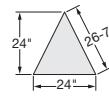
100108 Right Triangle – 48 x 48 x 1"

Total Acoustics<sup>1</sup>  
 + =   
0.80 \* 35 \* BEST

## 60° SHAPES

### Triangles

2' Main Beam Spacing

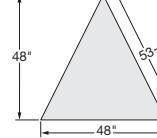


Item No.  
Description/  
Dimensions  
(Inches)

100101 Triangle 24 x 24 x 1"

Total Acoustics<sup>1</sup>  
 + =   
0.80 \* N/A -

4' Main Beam Spacing

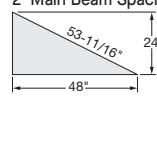


Item No.  
Description/  
Dimensions  
(Inches)

100102 Triangle 48 x 48 x 1"

Total Acoustics<sup>1</sup>  
 + =   
0.80 \* 35 \* BEST

Right Triangle – 2' Main Beam Spacing

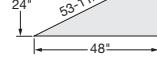


Item No.  
Description/  
Dimensions  
(Inches)

100105 Right Triangle – Left 24 x 48 x 1"

Total Acoustics<sup>1</sup>  
 + =   
0.80 \* N/A -

Right Triangle – Right 24 x 48 x 1"



Item No.  
Description/  
Dimensions  
(Inches)

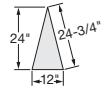
100106 Right Triangle – Right 24 x 48 x 1"

Total Acoustics<sup>1</sup>  
 + =   
0.80 \* N/A -

## 75° SHAPES

### Triangles

2' Main Beam Spacing

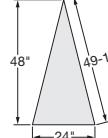


Item No.  
Description/  
Dimensions  
(Inches)

100103 Triangle 24 x 12 x 1"

Total Acoustics<sup>1</sup>  
 + =   
0.80 \* N/A -

4' Main Beam Spacing



Item No.  
Description/  
Dimensions  
(Inches)

100104 Triangle 48 x 24 x 1"

Total Acoustics<sup>1</sup>  
 + =   
0.80 \* N/A -

[MORE ITEMS ▶](#)

<sup>1</sup> 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+)

## PHYSICAL DATA

### Material

Wet-formed mineral fiber with acoustically transparent membrane

### Surface Finish

Acoustically transparent membrane 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 IV, 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/GBC 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](http://armstrongceilings.com/shapesinstallation)

### Insulation Value

R Factor - 2.9 (BTU units); R Factor - 0.445 (Watts units)

### Design Consideration

Physical product samples for standard and custom colors are available upon request. Please refer to the physical

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



product sample prior to making a final selection. While we strive to ensure exact color matches, various factors such as differences in materials, texture, substrate porosity, painting processes, lighting, and observer subjectivity can all affect how paint colors appear on ceiling and wall panels, suspension systems, and trim products.

Due to these and other differences, ceiling and wall panels, trim products, and suspension systems with the same color name will coordinate but may not be an exact color match. Product is dye-lotted. Order sufficient initial quantities and attic stock to minimize possible color variation.

### Cleaning and Disinfecting

Cleaning and CDC recommended disinfecting options available on [armstrongceilings.com/cleaning](http://armstrongceilings.com/cleaning)

10-Year Performance Guarantee & Warranty When installed with Armstrong® Suspension System. Details at [armstrongceilings.com/warranty](http://armstrongceilings.com/warranty)

### Weight: Pieces/Carton

100103 - 1.1 lbs/pc; 24 pcs/ctn

100101 - 2.2 lbs/pc; 12 pcs/ctn

100107 - 2.2 lbs/pc; 24 pcs/ctn

100102, 100108 - 8.8 lbs/pc; 6 pcs/ctn

100100, 100104, 100105, 100106 -

8.8 lbs/pc; 12 pcs/ctn

### Minimum Order Quantity

1 carton

TechLine 877 276-7876

[armstrongceilings.com/callashapes](http://armstrongceilings.com/callashapes)

**Armstrong®**  
World Industries

DESIGNFLEX® SHAPES





# CALLA® Shapes for DESIGNFLEX®

Tegular  
smooth texture



SUSTAIN®  
High Performance  
Sustainable Ceiling Systems



GREENGUARD  
Gold Certified  
(details below)



## PANEL OPTIONS (shown in finish view from below ceiling)

These 3 Calla® Shapes with Square Tegular edges are available with Suprafine® XM 9/16" suspension:

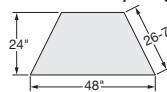
### 45° SHAPES

Item No.	Description/ Dimensions (Inches)
No Trapezoids available in 45° shapes	

### 60° SHAPES

#### Trapezoids

##### 2' Main Beam Spacing



### 75° SHAPES

#### Trapezoids

##### 2' Main Beam Spacing

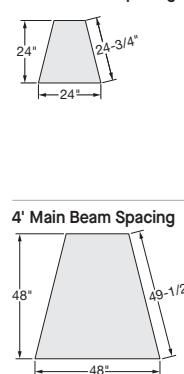


##### Total Acoustics<sup>1</sup>

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

0.80 \* 35 \* BEST

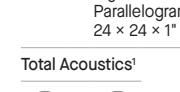
##### 4' Main Beam Spacing



### 75° SHAPES

#### Trapezoids

##### 4' Main Beam Spacing



##### Total Acoustics<sup>1</sup>

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

0.80 \* 31 -

##### Total Acoustics<sup>1</sup>

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

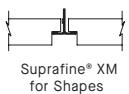
0.80 \* 31 -

<sup>1</sup> 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.



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

### PHYSICAL DATA

#### Material

Wet-formed mineral fiber with acoustically transparent membrane

#### Surface Finish

Acoustically transparent membrane 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 IV, Form 2, Pattern E

#### Fire Class A

#### Humidity/Sag Resistance

HumGuard® 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

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#### Seismic Restraint

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#### Insulation Value

R Factor - 2.9 (BTU units)

R Factor - 0.445 (Watts units)

#### PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS

UL.COM/GG UL 2818



#### Design Consideration

Physical product samples for standard and custom colors are available upon request. Please refer to the physical product sample prior to making a final selection. While we strive to ensure exact color matches, various factors such as differences in materials, texture, substrate porosity, painting processes, lighting, and observer subjectivity can all affect how paint colors appear on ceiling and wall panels, suspension systems, and trim products.

Due to these and other differences, ceiling and wall panels, trim products, and suspension systems with the same color name will coordinate but may not be an exact color match. Product is dye-lotted. Order sufficient initial quantities and attic stock to minimize possible color variation.

#### 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

100110 - 3.3 lbs/pc; 12 pcs/ctn

100109 - 6.6 lbs/pc; 8 pcs/ctn

100111 - 13.2 lbs/pc; 4 pcs/ctn

#### Minimum Order Quantity

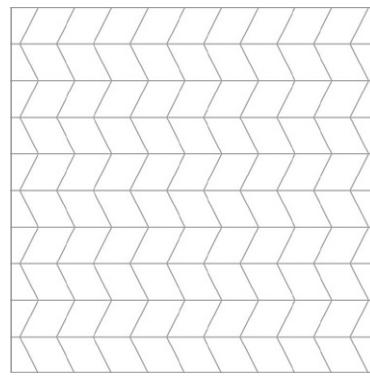
1 carton

# CALLA® Shapes for DESIGNFLEX®

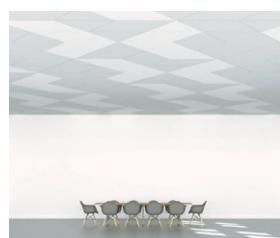
Tegular  
smooth texture



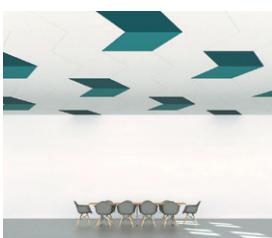
Online pattern gallery at [armstrongceilings.com/patterngallery](http://armstrongceilings.com/patterngallery)



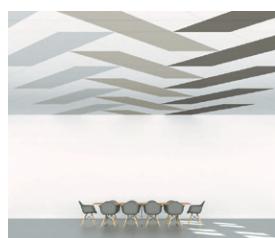
DesignFlex Shapes Pattern - SH2



DesignFlex Shapes - Pattern SH 1



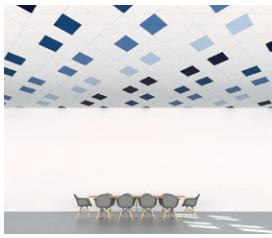
DesignFlex Shapes - Pattern SH 2



DesignFlex Shapes - Pattern SH 3



DesignFlex Shapes - Pattern SH 4



DesignFlex Shapes - Pattern SH 5



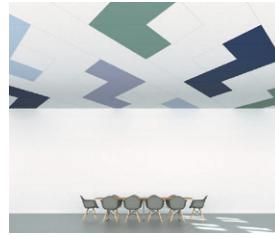
DesignFlex for FORMATIONS  
Shapes - Pattern FCSH 5



DesignFlex Shapes - Pattern SH 6



DesignFlex Shapes - Pattern SH 7



DesignFlex Shapes - Pattern SH 8

TechLine 877 276-7876

[armstrongceilings.com/callashapes](http://armstrongceilings.com/callashapes)

# DESIGNFLEX®

## Suspension Systems & Accessories

### CALLA® Shapes panels

Declare.

#### SUSPENSION SYSTEMS COMPONENTS & ACCESSORIES System utilizes Suprafine® XL® main beams

##### 45° SHAPES

Item No.	Description
75AB45L	Suprafine® 45° Left Angle Bracket
75AB45R	Suprafine® 45° Right Angle Bracket
75AB45D	Suprafine® 45° Double Angle Bracket
75CB45	Suprafine® 45° Corner Bracket
XM754524	Suprafine® 45° Base Cross Tee – 24" Main Beam Spacing
XM754548	Suprafine® 45° Base Cross Tee – 48" Main Beam Spacing
XM7524	Suprafine® Perimeter Cross Tee – 24" Main Beam Spacing
XM7548	Suprafine® Perimeter Cross Tee – 48" Main Beam Spacing
PCC	Axiom® Perimeter Corner Clip
PAC	Perimeter Angle Clip

##### 60° SHAPES

Item No.	Description
75AB60L	Suprafine® 60° Left Angle Bracket
75AB60R	Suprafine® 60° Right Angle Bracket
75AB60D	Suprafine® 60° Double Angle Bracket
75CB60L	Suprafine® 60° Corner Bracket – Left
75CB60R	Suprafine® 60° Corner Bracket – Right
XM756024	Suprafine® 60° Base Cross Tee – 24" Main Beam Spacing
XM756048	Suprafine® 60° Base Cross Tee – 48" Main Beam Spacing
XM7524	Suprafine® Perimeter Cross Tee – 24" Main Beam Spacing
XM7548	Suprafine® Perimeter Cross Tee – 48" Main Beam Spacing
PCC	Axiom® Perimeter Corner Clip
PAC	Perimeter Angle Clip

##### 75° SHAPES

Item No.	Description
75AB75L	Suprafine® 75° Left Angle Bracket
75AB75R	Suprafine® 75° Right Angle Bracket
75AB75D	Suprafine® 75° Double Angle Bracket
XM757524	Suprafine® 75° Base Cross Tee – 24" Main Beam Spacing
XM757548	Suprafine® 75° Base Cross Tee – 48" Main Beam Spacing
XM7524	Suprafine® Perimeter Cross Tee – 24" Main Beam Spacing
XM7548	Suprafine® Perimeter Cross Tee – 48" Main Beam Spacing
PCC	Axiom® Perimeter Corner Clip
PAC	Perimeter Angle Clip

For additional suspension components, trims, and clips, please consult the full installation instructions at [www.armstrongceilings.com/shapesinstallation](http://www.armstrongceilings.com/shapesinstallation)



DESIGNFLEX® SHAPES – Accessories