

# LYRA® PB Shapes for DESIGNFLEX®

with Plant-based Binder  
Regular  
smooth texture



## 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)



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



Smoothest fiberglass ceiling panels available in shapes, made-to-order sizes, and colors with 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 in Calla®, Ultima®, Optima®, MetalWorks®, and WoodWorks® panels
- Lyra® 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 (white only)
- 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, Impact-resistant, Scratch-resistant, Soil-resistant
- 10-Year Limited System Warranty against visible sag, mold, and mildew

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



Standard colors are pre-qualified to meet Sustain® portfolio requirements.  
Custom colors may need to be evaluated if sustainability criteria is required.

### DETAILS



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

**LYRA® PB Shapes**  
for DESIGNFLEX®  
with Plant-based Binder  
Tegular  
smooth texture

Declare.



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.

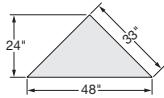


These 9 Lyra® PB Shapes with Square Tegular edges are available with Suprafine® XM 9/16" suspension:

#### 45° SHAPES

##### Triangles

2' Main Beam Spacing



Item No.  
Description/  
Dimensions  
(Inches)

100001 Triangle  
24 x 48 x 1"

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

Right Triangle –  
2' Main Beam Spacing

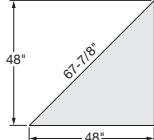


Item No.  
Description/  
Dimensions  
(Inches)

100008 Right Triangle –  
24 x 24 x 1"

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

Right Triangle –  
4' Main Beam Spacing



Item No.  
Description/  
Dimensions  
(Inches)

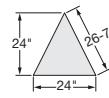
100009 Right Triangle –  
48 x 48 x 1"

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

#### 60° SHAPES

##### Triangles

2' Main Beam Spacing

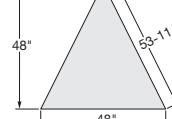


Item No.  
Description/  
Dimensions  
(Inches)

100002 Triangle  
24 x 24 x 1"

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

4' Main Beam Spacing



Item No.  
Description/  
Dimensions  
(Inches)

100003 Triangle  
48 x 48 x 1"

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

Right Triangle –  
2' Main Beam Spacing



Item No.  
Description/  
Dimensions  
(Inches)

100006 Right Triangle –  
Left 24 x 48 x 1"

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

Right Triangle –  
Right 24 x 48 x 1"



Item No.  
Description/  
Dimensions  
(Inches)

100007 Right Triangle –  
Right 24 x 48 x 1"

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

#### 75° SHAPES

##### Triangles

2' Main Beam Spacing

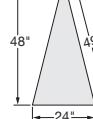


Item No.  
Description/  
Dimensions  
(Inches)

100004 Triangle  
24 x 12 x 1"

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

4' Main Beam Spacing



Item No.  
Description/  
Dimensions  
(Inches)

100005 Triangle  
48 x 24 x 1"

Total Acoustics<sup>1</sup>  
 + =   
0.95 \* 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

Fiberglass 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 50 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 Restrict

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 – 4.4 (BTU units); R Factor – 0.76 (Watts units)

##### 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

##### PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS

##### UL.COM/GOLD



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

100004 – 0.4 lbs/pc; 24 pcs/ctn

100002 – 0.8 lbs/pc; 12 pcs/ctn

100008 – 0.8 lbs/pc; 24 pcs/ctn

100001, 100005 – 1.6 lbs/pc; 12 pcs/ctn

100006, 100007 – 1.6 lbs/pc; 24 pcs/ctn

100003 – 3.2 lbs/pc; 6 pcs/ctn

100009 – 3.2 lbs/pc; 12 pcs/ctn

##### Minimum Order Quantity

1 carton

DESIGNFLEX® SHAPES

TechLine 877 276-7876

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

**Armstrong®**  
World Industries

# LYRA® PB Shapes for DESIGNFLEX®

with Plant-based Binder  
Tegular smooth texture

Declare.

**SUSTAIN®**  
High Performance Sustainable Ceiling Systems

**GREENGUARD**  
Gold Certified  
(details below)



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

LOCATION DEPENDENT

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

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

### 45° SHAPES

#### Parallelograms

	Item No.	Description/Dimensions (Inches)
2' Main Beam Spacing	100014	Right Parallelogram 24 x 48 x 1"
Total Acoustics <sup>1</sup>		=
0.95 *	N/A	-

	100015	Left Parallelogram 24 x 48 x 1"
Total Acoustics <sup>1</sup>		=
0.95 *	N/A	-

### 60° SHAPES

#### Parallelograms

	Item No.	Description/Dimensions (Inches)
2' Main Beam Spacing	100016	Right Parallelogram 24 x 24 x 1"
Total Acoustics <sup>1</sup>		=
0.95 *	N/A	-
	100017	Left Parallelogram 24 x 24 x 1"
Total Acoustics <sup>1</sup>		=
0.95 *	N/A	-
4' Main Beam Spacing	100018	Right Parallelogram 48 x 48 x 1"
Total Acoustics <sup>1</sup>		=
0.95 *	N/A	-
	100019	Left Parallelogram 48 x 48 x 1"
Total Acoustics <sup>1</sup>		=
0.95 *	N/A	-

### 75° SHAPES

#### Parallelograms

	Item No.	Description/Dimensions (Inches)
2' Main Beam Spacing	100020	Right Parallelogram 24 x 12 x 1"
Total Acoustics <sup>1</sup>		=
0.95 *	N/A	-
	100021	Left Parallelogram 24 x 12 x 1"
Total Acoustics <sup>1</sup>		=
0.95 *	N/A	-
4' Main Beam Spacing	100022	Right Parallelogram 48 x 24 x 1"
Total Acoustics <sup>1</sup>		=
0.95 *	N/A	-
	100023	Left Parallelogram 48 x 24 x 1"
Total Acoustics <sup>1</sup>		=
0.95 *	N/A	-

<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**  
Fiberglass 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 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](http://armstrongceilings.com/shapesinstallation)

### Insulation Value

R Factor - 4.4 (BTU units)

R Factor - 0.76 (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/GC 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

100020, 100021 - 0.8 lbs/pc; 24 pcs/ctn  
100016, 100017 - 1.6 lbs/pc; 12 pcs/ctn

100014, 100015, 100022, 100023 - 3.2 lbs/pc; 12 pcs/ctn

100118, 100119 - 6.4 lbs/pc; 6 pcs/ctn

### Minimum Order Quantity

1 carton

**LYRA® PB Shapes**  
for DESIGNFLEX®  
with Plant-based Binder  
Tegular  
smooth texture

Declare.



PANEL OPTIONS (shown in finish view from below ceiling)

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

### 45° SHAPES

#### Trapezoids

Item No.	Description/ Dimensions (Inches)
100010	Trapezoid 24 x 96 x 1"

2' Main Beam Spacing

Total Acoustics<sup>1</sup>

NRC + CAC = NRC/CAC

0.95 \* N/A -

### 60° SHAPES

#### Trapezoids

Item No.	Description/ Dimensions (Inches)
100011	Trapezoid 24 x 48 x 1"

2' Main Beam Spacing

Total Acoustics<sup>1</sup>

NRC + CAC = NRC/CAC

0.95 \* N/A -

### 75° SHAPES

#### Trapezoids

Item No.	Description/ Dimensions (Inches)
100012	Trapezoid 24 x 24 x 1"
100013	Trapezoid 48 x 48 x 1"

2' Main Beam Spacing

Total Acoustics<sup>1</sup>

NRC + CAC = NRC/CAC

0.95 \* N/A -

4' Main Beam Spacing

Total Acoustics<sup>1</sup>

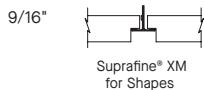
NRC + CAC = NRC/CAC

0.95 \* N/A -

<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



PARTNER COMPANIES For more information on our partner companies, please visit [armstrongceilings.com/partners](http://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 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 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 XII, 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

**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 Restrict**  
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 - 4.4 (BTU units)  
R Factor - 0.76 (Watts units)

**PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS**  
[UL.COM/GG](http://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](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**  
100012 - 1.2 lbs./pc; 12 pcs./ctn  
100011 - 2.4 lbs./pc; 12 pcs./ctn  
100010, 100013 - 4.8 lbs./pc; 6 pcs./ctn

**Minimum Order Quantity**  
1 carton

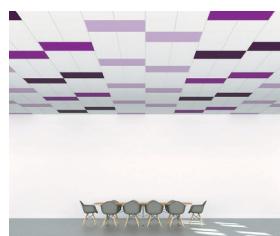
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# LYRA® PB Shapes for DESIGNFLEX®

with Plant-based Binder  
Tegular  
smooth texture



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



DesignFlex Shapes - Pattern SR 1



DesignFlex for FORMATIONS  
Squares & Rectangles - Pattern FCSR 1



DesignFlex Shapes - Pattern SR 2



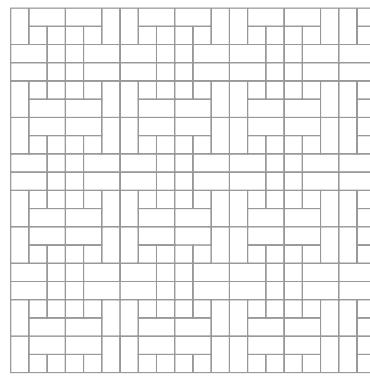
DesignFlex Shapes - Pattern SR 3



DesignFlex Shapes - Pattern SR 4



DesignFlex Shapes - Pattern SR 5



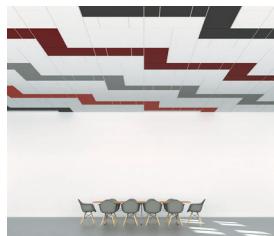
DesignFlex Shapes Pattern - SR2



DesignFlex Shapes - Pattern SR 6



DesignFlex for FORMATIONS  
Squares & Rectangles - Pattern FCSR 6



DesignFlex Shapes - Pattern SR 7

TechLine 877 276-7876

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

# DesignFlex®

## Suspension Systems & Accessories

LYRA® 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