METALWORKS™
Mesh

Armstrong®

CEILING & WALL SOLUTIONS
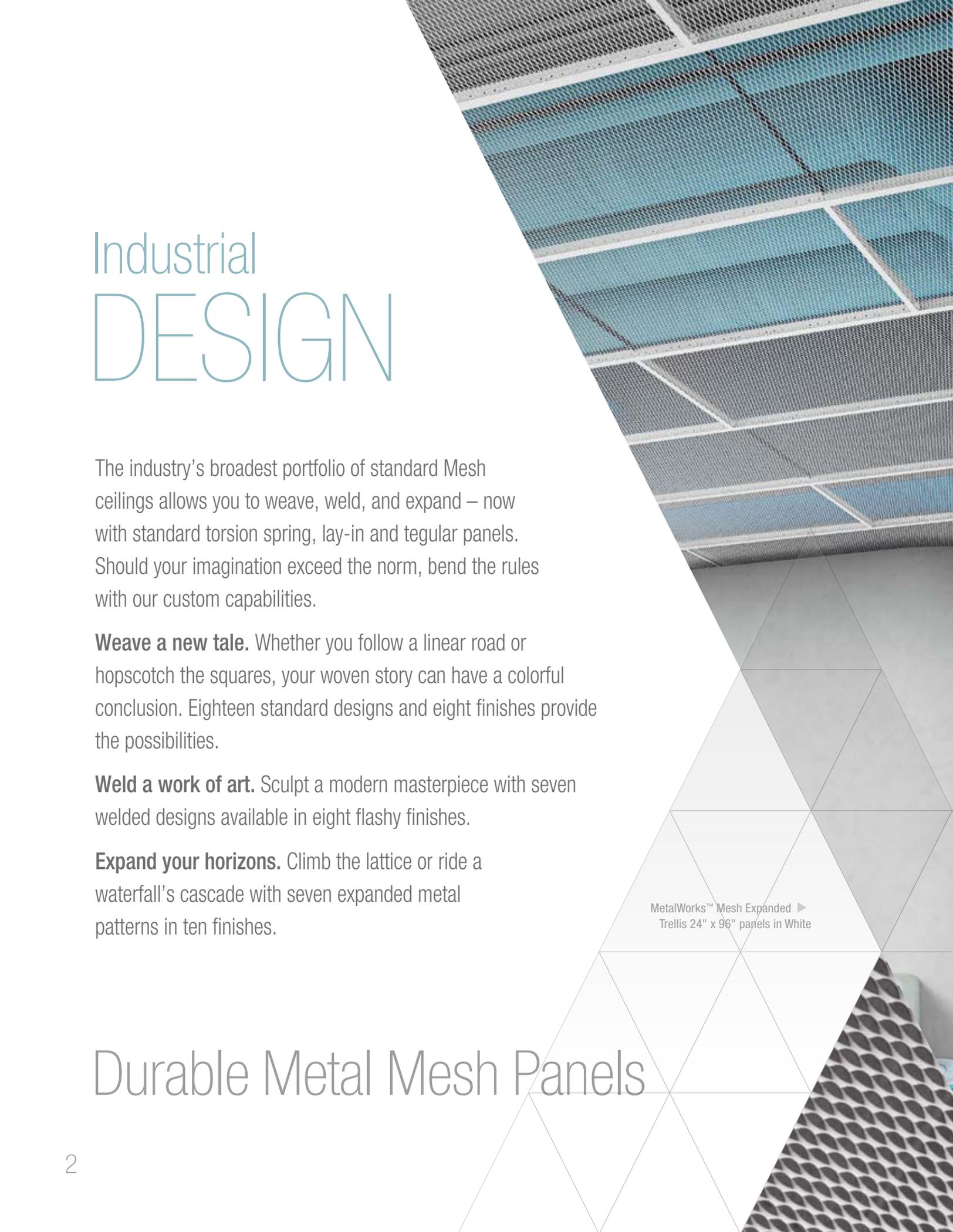
Industrial
DESIGN

The industry's broadest portfolio of standard Mesh ceilings allows you to weave, weld, and expand – now with standard torsion spring, lay-in and tegular panels. Should your imagination exceed the norm, bend the rules with our custom capabilities.

Weave a new tale. Whether you follow a linear road or hopscotch the squares, your woven story can have a colorful conclusion. Eighteen standard designs and eight finishes provide the possibilities.

Weld a work of art. Sculpt a modern masterpiece with seven welded designs available in eight flashy finishes.

Expand your horizons. Climb the lattice or ride a waterfall's cascade with seven expanded metal patterns in ten finishes.

MetalWorks™ Mesh Expanded ▶
Trellis 24" x 96" panels in White

Durable Metal Mesh Panels

▲ MetalWorks Mesh Torsion Spring 24" x 48", 1Cell woven panels in Gun Metal

DESIGN OPTIONS

MetalWorks™ Mesh panels are available in a range of standard and custom smooth, factory-applied, powder-coated finishes, patterns and sizes.

DESIGN FLEXIBILITY

MetalWorks™ Mesh designs are flexible enough to
use as accent borders, clouds or full ceilings.

▼ Metalworks Mesh 2Cell Welded Wire 24" x 48" panels; 360° Painted Grid in Tech Black; SoundScapes® Shapes triangle panels

METALWORKS™
Mesh

Choose from a wide variety of standard sizes, patterns, and finishes. Large format 24" x 48", 24" x 72", and 24" x 96" lay-in ceiling panels and torsion spring panels now available as standard items in select patterns.

◀ MetalWorks Mesh in Nickel Chrome:
Trellis 24" x 48", 24" x 72", and 24" x 96" panels; Lattice 24" x 48", 24" x 72", and 24" x 96" panels; and Scallops 24" X 24" panels

- ▶ Thirty-two standard patterns: custom patterns and colors also available

- ▶ Antique Nickel finish reflects the light with a beautiful true metallic finish

- ▶ Part of the CleanAssure™ family of products – includes disinfectable panels, suspension systems, and trim

- ▶ Factory-engineered border around panel edges for safe, fast installation into grid system

▼ MetalWorks™ Mesh Twin Flat Narrow in Silver Grey finish with
Knife Edge® Axiom® suspension system; Walker Engineering Inc., Irving, TX
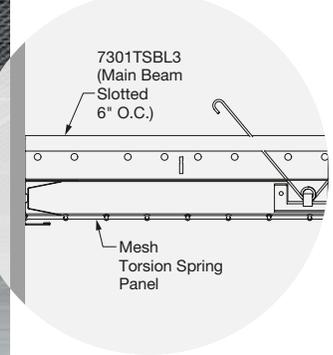

7

METALWORKS™ Mesh
Torsion Spring

24/7 DEFEND™
Solutions for Healthier, Safer Spaces

CONTAIN **CLEAN** PROTECT

CAD/Revit® drawings at:
armstrongceilings.com/CAD-REVIT

7301TSBL3
(Main Beam
Slotted
6" O.C.)

Mesh
Torsion Spring
Panel

▲ MetalWorks Mesh Torsion Spring 24" x 48", 1Cell woven panels in Silver Grey; FeltWorks® wall panels in Light Grey, Dark Grey, and Beige
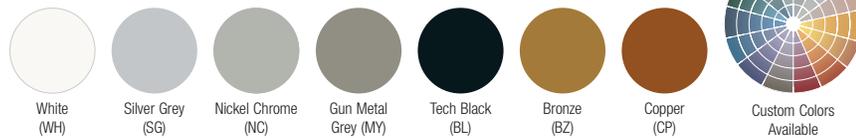
MetalWorks™ Mesh Torsion Spring panels offer an industrial look with minimized grid visibility and 100% swing-down accessibility.

KEY SELECTION ATTRIBUTES

- Popular Torsion Spring installation method now standard in 24" x 24" and 24" x 48" woven mesh
- Slotted grid Torsion Spring installation minimizes grid visibility by hiding the grid above the panel face

- Woven patterns offer over 75% open area, enabling sprinklers to be installed above the panel face, minimizing disruption of the ceiling plan with MEP
- CleanAssure™ family of products – includes disinfectable panels, suspension systems, and trim

- Black acoustical infill panels provide high sound absorption and help conceal elements in the plenum
- For custom options contact ASQuote, ASQuote@armstrongceilings.com

MESH FINISHES   Due to printing limitations, shade may vary from actual product.

Powder Coated

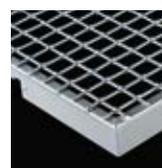| White (WH) | Silver Grey (SG) | Nickel Chrome (NC) | Gun Metal Grey (MY) | Tech Black (BL) | Bronze (BZ) | Copper (CP) | Custom Colors Available |

COORDINATING SUSPENSION SYSTEM COLORS

Black (BL3)
360º Painted

Mesh patterns leave suspension system visible.
Black 360º grid is recommended for blending with grid and plenum.

WOVEN DETAIL

Armstrong®
CEILING SOLUTIONS

METALWORKS™ Mesh Torsion Spring

LEED® WELL™ LBC

UP TO **85%** RECYCLED CONTENT

Calculate sustainability with GreenGenie™
armstrongceilings.com/greengenie

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
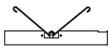
▲ LOCATION DEPENDENT

▲ WITH INFILL PANEL

VISUAL SELECTION

	Item No. ◆	Description	Dimensions W x L x H (Inches)
new METALWORKS™ Mesh Torsion Spring	5433W24L24D01_ _	1Cell	24 x 24 x 1/4"
Interior Panels Square 15/16"	5433W24L48D01_ _	1Cell	24 x 48 x 1/4"
	5433W24L24D02_ _	2Cell	24 x 24 x 1/4"
	5433W24L48D02_ _	2Cell	24 x 48 x 1/4"

PERFORMANCE
Dots represent high level of performance.

% Open Area	Fire Rating	CleanAssure™ Disinfectable Panels		
		Fog	Spray	Wipe
76%	Class A	•	•	•
76%	Class A	•	•	•
82%	Class A	•	•	•
82%	Class A	•	•	•

ACOUSTICAL INFORMATION

Patterns with similar open area will achieve similar acoustic results.

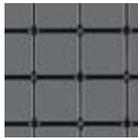| % Open Area	Infill Panel Item No.	Dimensions	NRC
76% & 82% Open Area	5823	24" x 24"	0.75
	1713BL	24" x 24"	0.70
	2820BK	24" x 24"	0.85
	2821BK	24" x 48"	0.85

◆ When specifying or ordering, include the appropriate 2-letter color suffix with the item number (e.g., 5433W24L24D01 S G).

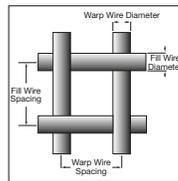## WOVEN WIRE (1:6 scale shown)

Square Weave

1Cell (D01)
Item 5433
Spacing: 0.86" x 0.86"
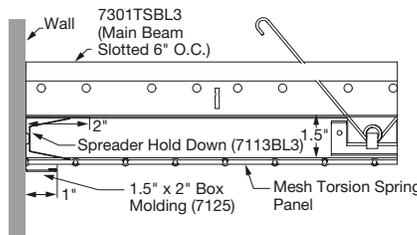Wire Diameter: 0.11"
% Open Area: 76%

2Cell (D02)
Item 5433
Spacing: 1.39" x 1.39"
Wire Diameter: 0.135"
% Open Area: 82%

Wire Key

Warp Wire Diameter
Fill Wire Diameter
Fill Wire Spacing
Warp Wire Spacing

INTERIOR WALL PERIMETER DETAILS

Installation Detail – Wall Perimeter

Wall
7301TSBL3 (Main Beam Slotted 6" O.C.)
2"
1.5"
Spreader Hold Down (7113BL3)
1"
1.5" x 2" Box Molding (7125)
Mesh Torsion Spring Panel

SUSPENSION SYSTEM & ACCESSORIES

Item No.	Description	Color	Dimensions (Inches) Nominal W x L x H	Pieces/Carton
7301TSBL3	Prelude® XL® 12' HD Main Beam - Slotted	BL3	15/16 x 144 x 1-11/16"	20
7125BL3	Box Molding	BL3	2 x 96 x 1-1/2"	10
7113BL3	Hold-Down Clip	BL3	1 x 10-5/8 x 1"	40
XL8320BL3	Prelude XL 2' Cross Tee	BL3	15/16 x 24 x 1-11/16"	60

NOTE: Axiom® Classic Trim is recommended for cloud configurations.

PHYSICAL DATA

Material
Cold-rolled steel.

Surface Finish
All panels are available in a range of standard and custom, factory-applied, powder-coated finishes.

Fire Performance
Class A: ASTM E84 and CAN/ULC S102. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

All MetalWorks Mesh panels are non-combustible.

As with other architectural features located at the ceiling, Mesh panels may obstruct or skew the planned fire sprinkler water distribution pattern, or possibly delay or accelerate the activation of the sprinkler or fire detection systems by channeling the heat from a fire either toward or away from the device.

Designers and installers are advised to consult a fire protection engineer, NFPA 13, and local codes for guidance where automatic fire detection and suppression systems are present.

Acoustics Considerations
NRC-tested using infill panels. Painted panels may experience a slight reduction in NRC due to color painting processes.

Design Considerations
Panels align best when installed next to panels of the same size. Reveal between panels can vary.

Black 360º grid minimizes grid visibility. Axiom trim colors coordinate but are not an exact match.

Minimal deflection is expected as panels increase in size. It is possible to see up to 1/2" deflection.

Installation Considerations
For custom design assistance contact ASQuote@armstrongceilings.com

Use caution and wear appropriate hand and eye protection when installing or cutting these metal panels. Refer to Installation Instructions BPLA-293095 at armstrongceilings.com/metalworks for details and cutting recommendations.

Cleaning and Disinfecting
Cleaning and CDC-approved disinfecting options available on armstrongceilings.com/cleaning

Warranty
Details at armstrongceilings.com/warranty

Weight/Panel (Bulk Packed)
5433W24L24D01 - 6.8 lbs/pc
5433W24L48D01 - 12 lbs/pc
5433W24L24D02 - 5.6 lbs/pc
5433W24L48D02 - 9.8 lbs/pc

Minimum Order Quantity
500 SF

Armstrong® CEILING SOLUTIONS

METALWORKS™ Mesh
Lay-in & Tegular

CAD/Revit® drawings at:
armstrongceilings.com/cadrevit

▲ MetalWorks Mesh Trellis 24" x 48", 24" x 72", and 24" x 96" panels; Lattice 24" x 48", 24" x 72", and 24" x 96" panels; and Scallops 24" x 24" panels

plus capabilities to do more

armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

MetalWorks™ Mesh panels provide an industrial look for interior spaces in a variety of sizes, patterns, and finishes.

KEY SELECTION ATTRIBUTES

- (new) Large format 24" x 48", 24" x 72", and 24" x 96" lay-in ceiling panels now available as standard items in select patterns
- Thirty-two standard patterns on 24" x 24" ceiling panels, custom patterns and colors also available

- (new) CleanAssure™ family of products – includes disinfectable panels, suspension systems, and trim
- (new) Select products included in the FAST134 program – ready to ship in 4 weeks or less

- Simple installation – panels lay in standard 15/16" suspension system with borders or finished edges
- Factory-engineered border around panel edges for safe, fast installation into grid system

- Black acoustical infill panels provide high sound absorption and help conceal elements in the plenum
- For custom options contact asquote@armstrongceilings.com

MESH FINISHES

Powder Coated

| White (WH) | Silver Grey (SG) | Nickel Chrome (NC)*† | Gun Metal Grey (MY) | Tech Black (BL) | Bronze (BZ) | Copper (CP) | Custom Colors Available |

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

* Only available on 24" x 24" panels

† Not available as a coordinating suspension system color

Anodized for Cascades

| Bright Anodized (BA)*† | Natural Anodized (NA)*† |

Cascades also available with Powder Coated Finishes, except Nickel Chrome.

Plated Antique Nickel

| Antique Nickel (AN)*† |

Antique Nickel finish reflects the light with a beautiful true metallic finish. Not available on Expanded Metal or Cascades. Finish will have shade variation depending on viewing angle. Black grid recommended.

COORDINATING SUSPENSION SYSTEM COLORS

| White (WH) | Silver Satin (SA)*** | Gun Metal Grey (MY)*** | Black (BL)*** | Natural Aluminum (NA)*** | Custom Colors Available |

NOTE: Accessories and clips (such as BERC2 clip) can be specified to color match the suspension system.

*** Not available as a standard option.

Mesh patterns leave suspension system visible.
When mill-finish steel is not a desired look, request 360-painted grid.

Armstrong®
CEILING SOLUTIONS

METALWORKS™ Mesh
Lay-in & Tegular

WOVEN WIRE (1:6 scale shown)

Square Weave – Square Lay-in

1Cell
Item 6415AM
Spacing: 0.86" x 0.86"
Wire Diameter: 0.11"
% Open Area: 76%

2Cell
Item 6416AM
Spacing: 1.39" x 1.39"
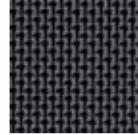Wire Diameter: 0.135"
% Open Area: 82%

Twin Round Narrow
Item 6129AM
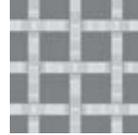Spacing: 0.25"/0.57"/0.25"/0.57"
Wire Diameter: 0.80"
% Open Area: 61%

Twin Flat Narrow
Item 6412AM
Spacing: 0.25"/0.75"/0.25"/0.75"
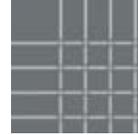Wire Diameter: 0.92"
% Open Area: 53%

Twin Flat Wide
Item 6410AM
Spacing: 0.75"/2.25"/0.75"/2.25"
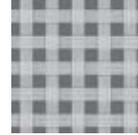Wire Diameter: 0.375" x 0.60"
% Open Area: 56%

Single Flat Narrow
Item 6411AM
Spacing: 0.25" x 0.25"
Wire Diameter: 0.92"
% Open Area: 21%

Single Flat Wide
Item 8199AM
Wire Dimension: 0.375" x 0.60"
% Open Area: 51%

Quad Round Narrow
Item 8198AM
Wire Diameter: 0.135"
% Open Area: 77%

Over-Under Square
Item 8200AM
Wire Dimension: 0.250" x 0.063"
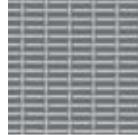% Open Area: 34%

Linear Weave – Square Lay-in

Single Mini
Item 6413AM
Spacing: 0.32" x 0.32"
Wire Diameter: 0.63"
% Open Area: 57%

Single Narrow
Item 6414AM
Spacing: 0.105"
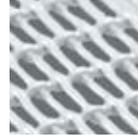Wire Diameter: 1.105"
% Open Area: 52%

Triple Narrow
Item 6128AM
Spacing: 3.15" x 3.15"
Wire Diameter: 0.12"
% Open Area: 62%

Fine Rectangular
Item 8203AM
Wire Dimension: 0.80"
% Open Area: 47%

Linear Weave – Tegular

Fine Rectangular
Item 8195AM
Wire Diameter: 0.80"
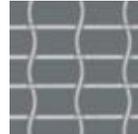% Open Area: 47%

Diamond Weave – Square Lay-in

1Diamond
Item 6417AM
Spacing: 0.86" x 0.86"
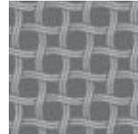Wire Diameter: 0.11"
% Open Area: 76%

2Diamond
Item 6418AM
Spacing: 1.33" x 1.33"
Wire Diameter: 0.14"
% Open Area: 82%
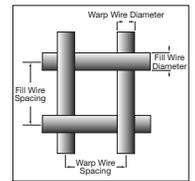
Round Weave – Square Lay-in

Round Rectangular
Item 8201AM
Wire Diameter: 0.105"
% Open Area: 75%

Twin Circle
Item 8202AM
Wire Diameter: 0.80"
% Open Area: 41%

Wire Key

Warp Wire Diameter
Fill Wire Diameter
Fill Wire Spacing
Warp Wire Spacing

WELDED WIRE (Actual 1:6 scale shown)

Welded Wire – Square Lay-in

1Cell
Item 6131AM
Spacing: 1.0" x 1.0"
Wire Diameter: 0.120"
% Open Area: 76%

2Cell
Item 6132AM
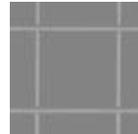Spacing: 2.0" x 2.0"
Wire Diameter: 0.120"
% Open Area: 88%

3Cell
Item 6133AM
Spacing: 3.0" x 3.0"
Wire Diameter: 0.120"
% Open Area: 92%

Welded Wire – Tegular

1Cell
Item 8190AM
Wire Diameter: 0.120"/.312"
Tegular Edge Rod
% Open Area: 78%

2Cell
Item 8191AM
Wire Diameter: 0.120"/.312"
Tegular Edge Rod
% Open Area: 88%

Linear Channel
Item 8196AM
Wire Diameter: 0.192"
Wire Dimension: 0.044" Channel
% Open Area: 50%

Linear Channel with Center Hole
Item 8197AM
Wire Diameter: 0.192"
Wire Dimension: 0.044" Channel
% Open Area: 60%

EXPANDED METAL (Actual 1:6 scale shown)

Expanded Metal – Square Lay-in

Lattice
Item 6136AM
Spacing: 0.036"
% Open Area: 73%
SWD 0.250"
LWD 0.500"

Scallops
Item 6137AM
Spacing: 0.048"
% Open Area: 61%
SWD 0.295"
LWD 0.394"
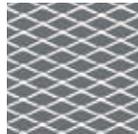
Trellis
Item 6138AM
Spacing: 0.060"
% Open Area: 70%
SWD 0.515"
LWD 1.200"

Cascades
Item 6139AM
Spacing: 0.080"
% Open Area: 23%
SWD 0.950"
LWD 2.000"

Expanded Metal – Tegular

Lattice
Item 8192AM
Wire Diameter: N/A
% Open Area: 73%

Scallops
Item 8193AM
Wire Diameter: N/A
% Open Area: 61%

Trellis
Item 8194AM
Wire Diameter: N/A
% Open Area: 70%

Expanded Metal Key

LWO | SWO | SWD | LWD

SWD – Short Way of Design
LWD – Long Way of Design

For detailed pattern information including spacing wire diameters and open area, refer to the MetalWorks™ Mesh brochure.

METALWORKS™ Mesh
Lay-in & Tegular

VISUAL SELECTION

PERFORMANCE
Dots represent high level of performance.

ACOUSTICAL INFORMATION
Patterns with similar open area will achieve similar acoustic results.
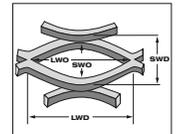
	Item No. ◆	Description	Panel Interior Opening Dimensions W x L x H (Inches)	% Open Area	Fire Rating	Fog	Spray	Wipe
WOVEN WIRE Square Weave Square Lay-in	6129AM _ _	Twin Round Narrow	24 x 24 x 1/4"	61%	Class A	•	•	•
	6410AM _ _	Twin Flat Wide	24 x 24 x 1/4"	56%	Class A	•	•	•
	6411AM _ _	Single Flat Narrow	24 x 24 x 1/4"	21%	Class A	•	•	•
	6412AM _ _	Twin Flat Narrow	24 x 24 x 1/4"	53%	Class A	•	•	•
	6415W24L24 _ _	1Cell	24 x 24 x 1/4"	76%	Class A	•	•	•
new	6415W24L48 _ _	1Cell	24 x 48 x 1/4"	76%	Class A	•	•	•
new	6415W24L72 _ _	1Cell	24 x 72 x 1/4"	76%	Class A	•	•	•
new	6415W24L96 _ _	1Cell	24 x 96 x 1/4"	76%	Class A	•	•	•
	6416W24L24 _ _	2Cell	24 x 24 x 1/4"	82%	Class A	•	•	•
new	6416W24L48 _ _	2Cell	24 x 48 x 1/4"	82%	Class A	•	•	•
new	6416W24L72 _ _	2Cell	24 x 72 x 1/4"	82%	Class A	•	•	•
new	6416W24L96 _ _	2Cell	24 x 96 x 1/4"	82%	Class A	•	•	•
	8199AM _ _	Single Flat Wide	24 x 24 x 1/4"	51%	Class A	•	•	•
	8198AM _ _	Quad Round Narrow	24 x 24 x 1/4"	77%	Class A	•	•	•
	8200AM _ _	Over-Under Square	24 x 24 x 1/4"	34%	Class A	•	•	•
Linear Weave Square Lay-in	6413AM _ _	Single Mini	24 x 24 x 1/4"	57%	Class A	•	•	•
	6414AM _ _	Single Narrow	24 x 24 x 1/4"	52%	Class A	•	•	•
	6128AM _ _	Triple Narrow	24 x 24 x 1/4"	62%	Class A	•	•	•
	8203AM _ _	Fine Rectangular	24 x 24 x 1/4"	47%	Class A	•	•	•
Linear Weave Square Tegular	8195AM _ _	Fine Rectangular	24 x 24 x 1/4"	47%	Class A	•	•	•
Diamond Weave Square Lay-in	6417AM _ _	1Diamond	24 x 24 x 1/4"	76%	Class A	•	•	•
	6418AM _ _	2Diamond	24 x 24 x 1/4"	82%	Class A	•	•	•
Round Weave Square Lay-in	8201AM _ _	Round Rectangular	24 x 24 x 1/4"	75%	Class A	•	•	•
	8202AM _ _	Twin Circle	24 x 24 x 1/4"	41%	Class A	•	•	•
EXPANDED METAL Square Lay-in	6136W24L24 _ _	Lattice	24 x 24 x 1/4"	73%	Class A	•	•	•
new	6136W24L48 _ _	Lattice	24 x 48 x 1/4"	73%	Class A	•	•	•
new	6136W24L72 _ _	Lattice	24 x 72 x 1/4"	73%	Class A	•	•	•
new	6136W24L96 _ _	Lattice	24 x 96 x 1/4"	73%	Class A	•	•	•
	6137AM _ _	Scallops	24 x 24 x 1/4"	61%	Class A	•	•	•
	6138W24L24 _ _	Trellis	24 x 24 x 1/4"	70%	Class A	•	•	•
	6138W24L48 _ _	Trellis	24 x 48 x 1/4"	70%	Class A	•	•	•
new	6138W24L72 _ _	Trellis	24 x 72 x 1/4"	70%	Class A	•	•	•
new	6138W24L96 _ _	Trellis	24 x 96 x 1/4"	70%	Class A	•	•	•
new	6139AM _ _	Cascades	24 x 24 x 1/4"	23%	Class A	•	•	•
Square Tegular	8192AM _ _	Lattice	24 x 24 x 1/4"	73%	Class A	•	•	•
	8193AM _ _	Scallops	24 x 24 x 1/4"	61%	Class A	•	•	•
	8194AM _ _	Trellis	24 x 24 x 1/4"	70%	Class A	•	•	•

◆ When specifying or ordering, include the appropriate 2-letter color suffix with the item number (e.g., 6129AM S G).

CleanAssure™ Disinfectable Panels
(Fog, Spray, Wipe columns)

Acoustical Information Table

% Open Area		Infill Panel Item No.	Dimensions	NRC
21% Open Area	Single Flat Narrow	5823	24" x 24"	0.75 •
		1713BL	24" x 24"	0.70 •
		2820BK	24" x 24"	0.85 •
		2821BK	24" x 48"	0.85 •
		2864BK	24" x 72"	0.85 •
53% Open Area	Twin Flat Narrow	5823	24" x 24"	0.75 •
		1713BL	24" x 24"	0.70 •
		2820BK	24" x 24"	0.85 •
		2821BK	24" x 48"	0.85 •
		2864BK	24" x 72"	0.85 •
76% Open Area	1Cell	5823	24" x 24"	0.75 •
		1713BL	24" x 24"	0.70 •
		2820BK	24" x 24"	0.85 •
		2821BK	24" x 48"	0.85 •
		2864BK	24" x 72"	0.85 •

ACOUSTICAL PANEL INSTALLATION

MetalWorks™ Mesh ceiling panel with Calla® 2820BK infill panel for high NRC performance

Armstrong® CEILING SOLUTIONS

METALWORKS™ Mesh
Lay-in & Tegular

VISUAL SELECTION

	Item No. ◆	Description	Panel Interior Opening Dimensions W x L x H (Inches)
WELDED WIRE			
Square Lay-in	6131W24L24 _ _	1Cell	24 x 24 x 1/4"
new	6131W24L48 _ _	1Cell	24 x 48 x 1/4"
new	6131W24L72 _ _	1Cell	24 x 72 x 1/4"
new	6131W24L96 _ _	1Cell	24 x 96 x 1/4"
	6132W24L24 _ _	2Cell	24 x 24 x 1/4"
new	6132W24L48 _ _	2Cell	24 x 48 x 1/4"
new	6132W24L72 _ _	2Cell	24 x 72 x 1/4"
new	6132W24L96 _ _	2Cell	24 x 96 x 1/4"
	6133AM _ _	3Cell	24 x 24 x 1/4"
Square Tegular	8190AM _ _	1Cell	24 x 24 x 1/4"
	8191AM _ _	2Cell	24 x 24 x 1/4"
	8196AM _ _	Linear Channeled	24 x 24 x 1/4"
	8197AM _ _	Linear Channeled – Center Hole	24 x 24 x 1/4"

PERFORMANCE
Dots represent high level of performance.

% Open Area	Fire Rating 🔥	CleanAssure™ Disinfectable Panels		
		Fog	Spray	Wipe
78%	Class A	•	•	•
78%	Class A	•	•	•
78%	Class A	•	•	•
78%	Class A	•	•	•
88%	Class A	•	•	•
88%	Class A	•	•	•
88%	Class A	•	•	•
88%	Class A	•	•	•
92%	Class A	•	•	•
78%	Class A	•	•	•
88%	Class A	•	•	•
50%	Class A	•	•	•
60%	Class A	•	•	•

FAST134 program items ready to ship from manufacturer in 4 weeks or less.
Up-to-date lead times and product options (sizes and colors) at armstrongceilings.com/fast134.

FAST 4 WEEKS or Less

◆ When specifying or ordering, include the appropriate 2-letter color suffix with the item number (e.g., 6129AM S G).
SWD = Short way of design   LWD = Long way of design
NOTE: For acoustical infill panel information, see armstrongceilings.com/mwaccessories

ACOUSTICAL INFORMATION

Patterns with similar open area will achieve similar acoustic results.

% Open Area		Infill Panel Item No.	Dimensions	NRC
21% Open Area	Single Flat Narrow	5823	24" x 24"	0.75
		1713BL	24" x 24"	0.70
		2820BK	24" x 24"	0.85
		2821BK	24" x 48"	0.85
		2864BK	24" x 72"	0.85
53% Open Area	Twin Flat Narrow	5823	24" x 24"	0.75
		1713BL	24" x 24"	0.70
		2820BK	24" x 24"	0.85
		2821BK	24" x 48"	0.85
		2864BK	24" x 72"	0.85
76% Open Area	1Cell	5823	24" x 24"	0.75
		1713BL	24" x 24"	0.70
		2820BK	24" x 24"	0.85
		2821BK	24" x 48"	0.85
		2864BK	24" x 72"	0.85

STABILIZER BAR & HOLD DOWN CLIPS
Required for all panels greater than 60" in length

Item No.	Description	Pieces/Carton
7425	Stabilizer Bar	100
CHDC	Clear Hold Down Clips	50
FHDC	Black Hold Down Clips	1000

SUSPENSION SYSTEMS

15/16"

360º Painted Grid or Prelude® XL®

PHYSICAL DATA

Material
All items, except Cascades panels, are cold-rolled steel. Cascades panels are made of aluminum.

Surface Finish
All panels are available in a range of standard and custom smooth, factory-applied powder-coated finishes. Most panels can also be plated for an Antique Nickel finish which will have a variable patina for an authentic aged visual. The anodized finishes (BA, NA) are available on Cascades panels only.

Fire Performance
Class A: ASTM E84 and CAN/ULC S102. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

All MetalWorks™ Mesh panels are non-combustible.

As with other architectural features located at the ceiling, Mesh panels may obstruct or skew the planned fire sprinkler water distribution pattern, or possibly delay or accelerate the activation of the sprinkler or fire detection systems by channeling the heat from a fire either toward or away from the device.

For panels that do not meet the criteria for open-suspension a 24" x 24" mineral fiber panel should be placed on the back of the Mesh panel when installing the ceiling, with the sprinkler installed below both panels.

Designers and installers are advised to consult a fire protection engineer, NFPA 13, and local codes for guidance where automatic fire detection and suppression systems are present.

Acoustics Considerations
NRC-tested using white infill panels. Painted panels may experience a slight reduction in NRC due to color painting processes.

Design Considerations
Minimal deflection is expected as panels increase in size. It is possible to see up to 1/2" deflection on Welded and Woven patterns. Panels in Expanded patterns may show additional deflection, resulting in an enhanced industrial visual.

For more open MetalWorks™ Mesh items where the suspension system may be visible through the panels, consider using a 360° Painted Grid System coordinated with the panel color.

Item 8196 should not be field cut. Use Item 8197, with 5" center hole, for sprinklers, lighting, and other mechanicals. Additionally, care should always be taken when cutting metal. Please see installation instructions for specific guidance on each type of mesh panel.

Installation Considerations
For panels over 60" in length, stabilizer bars and hold down clips are required. For custom design assistance contact ASQuote@armstrongceilings.com

The edges of MetalWorks™ Mesh panels feature unique detailing. Use caution and wear appropriate hand and eye protection when installing or cutting these metal panels. Refer to Installation Instructions BPLA-297075 at armstrongceilings.com/metalworks for details and cutting recommendations.

Cleaning and Disinfecting
Cleaning and CDC approved disinfecting options available on armstrongceilings.com/cleaning

FAST134 Program Considerations
Size of Job Matters: Big jobs, over 2500 SF or 50 pieces for shapes/vertical elements will have longer lead times.

Location Matters: Transit time not included. We are ready to ship in 1 week on FAST1 items. However, transit to the states west of Wyoming may add time.

Distributor Truck Schedule Matters: We rely on distribution to help move products around the country. When speed matters, work with your local distributor to ensure FAST134 service.

Stock vs Made-to-Order Matters: FAST3 & FAST4 items are made-to-order and will ship direct to distributor. FAST1 (stocked items) will go through distribution and depend on distributor truck schedules.

Warranty
Details at armstrongceilings.com/warranty

Weight/Panel (Bulk Packed)
6411 – 8.2 lbs/pc
6413 – 5.1 lbs/pc
6414 – 6.9 lbs/pc
6415W24L24 – 3.85 lbs/pc
6415W24L48 – 7.7 lbs/pc
6415W24L72 – 11.4 lbs/pc
6415W24L96 – 15.1 lbs/pc
6416W24L24 – 1.95 lbs/pc
6416W24L48 – 3.9 lbs/pc
6416W24L72 – 10.7 lbs/pc
6416W24L96 – 14.1 lbs/pc
6417 – 3.3 lbs/pc
6418 – 3.2 lbs/pc
6128AM – 4.2 lbs/pc
6129AM – 6 lbs/pc
6131W24L24 – 3.55 lbs/pc
6131W24L48 – 7.1 lbs/pc
6131W24L72 – 10.9 lbs/pc
6131W24L96 – 14.6 lbs/pc
6132W24L24 – 1.95 lbs/pc
6132W24L48 – 3.9 lbs/pc
6132W24L72 – 5.8 lbs/pc
6132W24L96 – 7.7 lbs/pc
6133AM – 1.6 lbs/pc
6410AM – 4.8 lbs/pc

6136W24L24 – 2.6 lbs/pc
6136W24L48 – 5.2 lbs/pc
6136W24L72 – 7.7 lbs/pc
6136W24L96 – 5.2 lbs/pc
6138W24L24 – 1.55 lbs/pc
6138W24L48 – 3.1 lbs/pc
6138W24L72 – 4.5 lbs/pc
6138W24L96 – 10 lbs/pc
6412AM – 4.8 lbs/pc
6137AM – 2.8 lbs/pc
6139AM – 2.1 lbs/pc
8190AM – 4.4 lbs/pc
8191AM – 3.2 lbs/pc
8192AM – 1.9 lbs/pc
8193AM – 2.3 lbs/pc
8194AM – 3.0 lbs/pc
8196AM – 7.9 lbs/pc
8197AM – 7.3 lbs/pc
8198AM – 4.8 lbs/pc
8199AM – 6.5 lbs/pc
8200AM – 8.1 lbs/pc
8195AM – 7.4 lbs/pc
8203AM – 7.0 lbs/pc
8201AM – 4.5 lbs/pc
8202AM – 7.7 lbs/pc

Minimum Order Quantity
24" x 24" panels – 100 SF
all other sizes – 500 SF

Armstrong® CEILING SOLUTIONS

TAKE THE NEXT STEP

1 877 276 7876

Customer Service Representatives
7:45 a.m. to 5:00 p.m. EST
Monday through Friday

TechLine – Technical information, detail drawings,
CAD design assistance, installation information,
other technical services – 8:00 a.m. to 5:30 p.m. EST,
Monday through Friday. FAX 1 800 572 8324
or email: techline@armstrongceilings.com

armstrongceilings.com/commercial

Latest product news

Standard and custom product information

Online catalog

CAD, Revit®, SketchUp® files

A Ceiling for Every Space® Visual Selection Tool

Product literature and samples – express service
or regular delivery

Contacts – reps, where to buy, who will install

YOU INSPIRE™ SOLUTIONS CENTER

email: solutionscenter@armstrongceilings.com
armstrongceilings.com/youinspire

Design Assistance

Collaborative design

Detail drawings

Specifications

Planning and budgeting

Pre-construction Assistance

Layout drawings for standard
and premium products

Project installation recommendations

Contractor installation assistance

you inspire™
solutions center

helping to bring your one-of-a-kind ideas to life

On the cover: ▶
MetalWorks Mesh Torsion Spring 24" x 48",
1Cell woven panels in Silver Grey; FeltWorks® wall panels
in Light Grey, Dark Grey, and Beige

Armstrong®
CEILING & WALL SOLUTIONS