METALWORKS™ Mesh

Lay-in & Tegular

SUSTAIN™
High Performance
Sustainable
Ceiling Systems

FAST 4 WEEKS or Less

FAST134
Select Items Ship Fast
armstrongceilings.com/fast134

MetalWorks Mesh panels in Nickel Chrome finish: 24" × 48", 24" × 72", and 24" × 96" Trellis and Lattice panels; 24" × 24" Scallops panels; suspension system and Axiom® trim in Gun Metal Grey

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

plus capabilities to do more

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

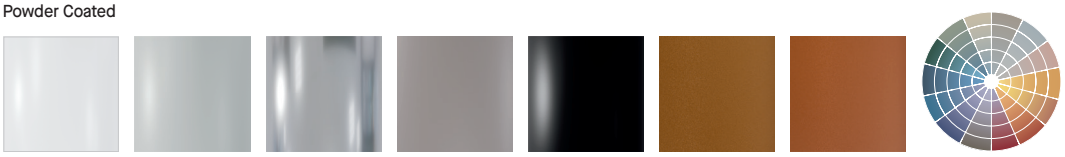
MetalWorks™ Mesh panels provide an industrial look for interior spaces in a variety of sizes, patterns, and finishes.

KEY SELECTION ATTRIBUTES

- Large format 24" × 48", 24" × 72", and 24" × 96" lay-in ceiling panels available as standard items in select patterns
- MetalWorks™ Mesh are part of the Sustain™ portfolio and meet the most stringent industry sustainability compliance standards today
- Twenty-five standard patterns on 24" × 24" ceiling panels, custom patterns and colors also available
- CleanAssure™ family of products – includes disinfectable panels, suspension systems, and trim
- 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



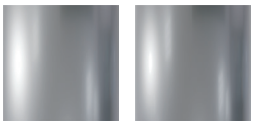
White (WH) | Silver Grey (SG) | Nickel Chrome (NC)† | Gun Metal Grey (MY) | Tech Black (BL) | Bronze (BZ) | Copper (CP) | Custom Colors Available

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

* Only available on 24" × 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 Grey (SG) | Gun Metal Grey (MY) | Black (BL) | Silver Satin (SA) | 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.

TechLine 877 276-7876
armstrongceilings.com/mesh

Armstrong® World Industries

METALWORKS™ Mesh

Lay-in & Tegular

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High Performance
Sustainable Ceiling Systems

LEED® | WELL™ | LBC

UP TO 85% RECYCLED CONTENT

Calculate sustainability with Ecomedes
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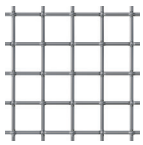
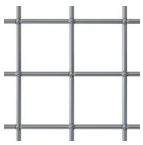
energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
	✓	✓	✓		✓		✓	✓	✓	✓		✓
		▲ LOCATION DEPENDENT										▲ WITH INFILL PANEL

WOVEN WIRE (1:6 scale shown)

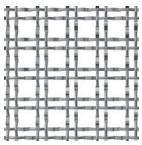
Square Weave – Square Lay-in



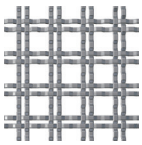
1Cell
Item 6415AM
Spacing: 0.86" × 0.86"
Wire Diameter: 0.11"
% Open Area: 76%



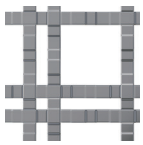
2Cell
Item 6416AM
Spacing: 1.52" × 1.52"
Wire Diameter: 0.135"
% Open Area: 82%



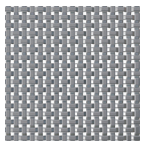
Twin Round Narrow
Item 6129AM
Spacing: 0.25"/0.62"/ 0.25"/0.62"
Wire Diameter: 0.08"
% Open Area: 61%



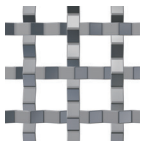
Twin Flat Narrow
Item 6412AM
Spacing: 0.25"/0.74"/ 0.25"/0.74"
Wire Diameter: 0.06" × 0.14"
% Open Area: 53%



Twin Flat Wide
Item 6410AM
Spacing: 0.73"/2.24"/ 0.73"/2.24"
Wire Diameter: 0.375" × 0.60"
% Open Area: 56%

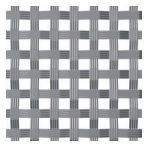


Single Flat Narrow
Item 6411AM
Spacing: 0.24" × 0.24"
Wire Diameter: 0.06 × 0.14"
% Open Area: 21%



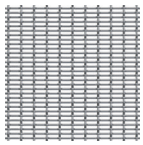
Single Flat Wide
Item 8199AM
Spacing: 1.28" × 1.28"
Wire Dimension: 0.375" × 0.60"
% Open Area: 51%

Quad Round Narrow
Item 8198AM
Spacing: 0.71" × 0.71"
Wire Diameter: 0.135"
% Open Area: 77%



Over-Under Square
Item 8200AM
Spacing: 0.58" × 0.58"
Wire Dimension: 0.250" × 0.063"
% Open Area: 34%

Linear Weave – Square Lay-in



Single Mini
Item 6413AM
Spacing: 0.13" × 0.375"
Wire Diameter: 0.06"
% Open Area: 57%

Single Narrow
Item 6414AM
Spacing: 0.25" × 1.1"
Wire Diameter: 0.105"
% Open Area: 52%

Triple Narrow
Item 6128AM
Spacing: 0.375" × 3.15"
Wire Diameter: 0.12"
% Open Area: 62%

Fine Rectangular
Item 8203AM
Spacing: 0.18" × 0.5"
Wire Dimension: 0.08"
% Open Area: 47%

Linear Weave – Tegular

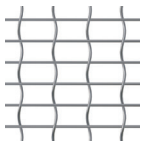
Fine Rectangular
Item 8195AM
Spacing: 0.18" × 0.5"
Wire Dimension: 0.08"
% Open Area: 47%

Diamond Weave – Square Lay-in

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

2Diamond
Item 6418AM
Spacing: 1.52" × 1.52"
Wire Diameter: 0.14"
% Open Area: 82%

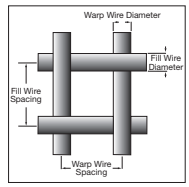
Round Weave – Square Lay-in



Round Rectangular
Item 8201AM
Wire Diameter: 0.08"
% Open Area: 75%

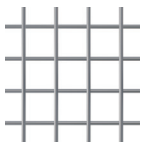
Twin Circle
Item 8202AM
Wire Diameter: 0.08"
% Open Area: 41%

Wire Key

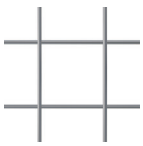


WELDED WIRE (Actual 1:6 scale shown)

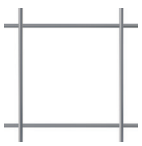
Welded Wire – Square Lay-in



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

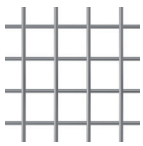


2Cell
Item 6132AM
Spacing: 2.0" × 2.0"
Wire Diameter: 0.120"
% Open Area: 88%

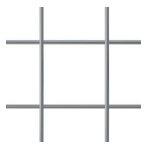


3Cell
Item 6133AM
Spacing: 3.0" × 3.0"
Wire Diameter: 0.120"
% Open Area: 92%

Welded Wire – Tegular



1Cell
Item 8190AM
Wire Diameter: 0.120"
Tegular Edge Rod: 0.312"
% Open Area: 78%

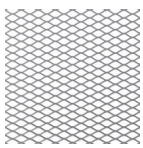


2Cell
Item 8191AM
Wire Diameter: 0.120"
Tegular Edge Rod: 0.312"
% Open Area: 88%

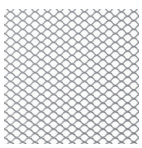
Linear Channeled
Item 8196AM & 8197AM
Wire Diameter: 0.192"
Wire Dimension: 1.0" × 0.5" Channel
% Open Area: 50%
% Open Area with Center Hole: 60%

EXPANDED METAL (Actual 1:6 scale shown)

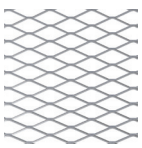
Expanded Metal – Square Lay-in



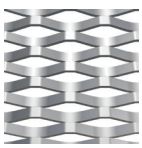
Lattice
Item 6136AM
Spacing: 0.036"
% Open Area: 73%
SWD 0.25"
LWD 0.5"



Scallops
Item 6137AM
Spacing: 0.048"
% Open Area: 61%
SWD 0.35"
LWD 0.49"

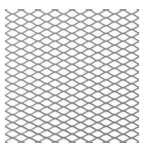


Trellis
Item 6138AM
Spacing: 0.060"
% Open Area: 70%
SWD 0.515"
LWD 1.2"

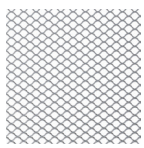


Cascades
Item 6139AM
Spacing: 0.080"
% Open Area: 23%
SWD 0.90"
LWD 2.0"

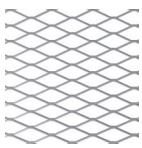
Expanded Metal – Tegular



Lattice
Item 8192AM
Wire Diameter: N/A
% Open Area: 73%
SWD 0.25"
LWD 0.5"

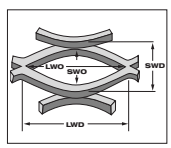


Scallops
Item 8193AM
Wire Diameter: N/A
% Open Area: 61%
SWD 0.35"
LWD 0.49"



Trellis
Item 8194AM
Wire Diameter: N/A
% Open Area: 70%
SWD 0.515"
LWD 1.2"

Expanded Metal Key



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

METALWORKS™ – Standard

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METALWORKS™ Mesh

Lay-in & Tegular

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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

METALWORKS™ – Standard

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

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

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" × 24"	0.65
		1713BL	24" × 24"	0.75
		2820BK	24" × 24"	0.80
		2821BK	24" × 48"	0.80
		2864BK	24" × 72"	0.80
53% Open Area	Twin Flat Narrow	5823	24" × 24"	0.75
		1713BL	24" × 24"	0.70
		2820BK	24" × 24"	0.85
		2821BK	24" × 48"	0.85
		2864BK	24" × 72"	0.85
76% Open Area	1Cell	5823	24" × 24"	0.75
		1713BL	24" × 24"	0.70
		2820BK	24" × 24"	0.85
		2821BK	24" × 48"	0.85
		2864BK	24" × 72"	0.85

ACOUSTICAL PANEL INSTALLATION

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

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Armstrong® World Industries

METALWORKS™ Mesh

Lay-in & Tegular

SUSTAIN™
High Performance
Sustainable Ceiling Systems

LEED® | WELL™ | LBC

UP TO 85% RECYCLED CONTENT

Calculate sustainability with Ecomedes
armstrongceilings.com/ecomedes

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

PERFORMANCE

Dots represent high level of performance.

		Item No.◆	Description	Panel Dimensions W × L × H (Inches)	% Open Area	Fire Rating	CleanAssure™ Disinfectable Panels: Fog	Spray	Wipe
WELDED WIRE									
Square Lay-in		6131W24L24 _ _	1Cell	24 × 24 × 1/4"	78%	Class A	•	•	•
	new	6131W24L48 _ _	1Cell	24 × 48 × 1/4"	78%	Class A	•	•	•
	new	6131W24L72 _ _	1Cell	24 × 72 × 1/4"	78%	Class A	•	•	•
	new	6131W24L96 _ _	1Cell	24 × 96 × 1/4"	78%	Class A	•	•	•
		6132W24L24 _ _	2Cell	24 × 24 × 1/4"	88%	Class A	•	•	•
	new	6132W24L48 _ _	2Cell	24 × 48 × 1/4"	88%	Class A	•	•	•
	new	6132W24L72 _ _	2Cell	24 × 72 × 1/4"	88%	Class A	•	•	•
	new	6132W24L96 _ _	2Cell	24 × 96 × 1/4"	88%	Class A	•	•	•
		6133AM _ _	3Cell	24 × 24 × 1/4"	92%	Class A	•	•	•
Square Tegular		8190AM _ _	1Cell	24 × 24 × 1/4"	78%	Class A	•	•	•
		8191AM _ _	2Cell	24 × 24 × 1/4"	88%	Class A	•	•	•
		8196AM _ _	Linear Channeled	24 × 24 × 5/8"	50%	Class A	•	•	•
		8197AM _ _	Linear Channeled – Center Hole	24 × 24 × 5/8"	60%	Class A	•	•	•

FAST 4 WEEKS or Less

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.

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

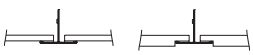
ACOUSTICAL INFORMATION

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" × 24"	0.75
		1713BL	24" × 24"	0.70
		2820BK	24" × 24"	0.85
		2821BK	24" × 48"	0.85
		2864BK	24" × 72"	0.85
53% Open Area	Twin Flat Narrow	5823	24" × 24"	0.75
		1713BL	24" × 24"	0.70
		2820BK	24" × 24"	0.85
		2821BK	24" × 48"	0.85
		2864BK	24" × 72"	0.85
76% Open Area	1Cell	5823	24" × 24"	0.75
		1713BL	24" × 24"	0.70
		2820BK	24" × 24"	0.85
		2821BK	24" × 48"	0.85
		2864BK	24" × 72"	0.85

SUSPENSION SYSTEMS

15/16"



360° Painted Grid or Prelude® XL®

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
5600HDC	5600 Hold Down Clips	200

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" × 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" × 24" panels – 100 SF
all other sizes – 500 SF

TechLine / 1 877 276-7876
armstrongceilings.com/mesh

BPCS-5114-525

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