

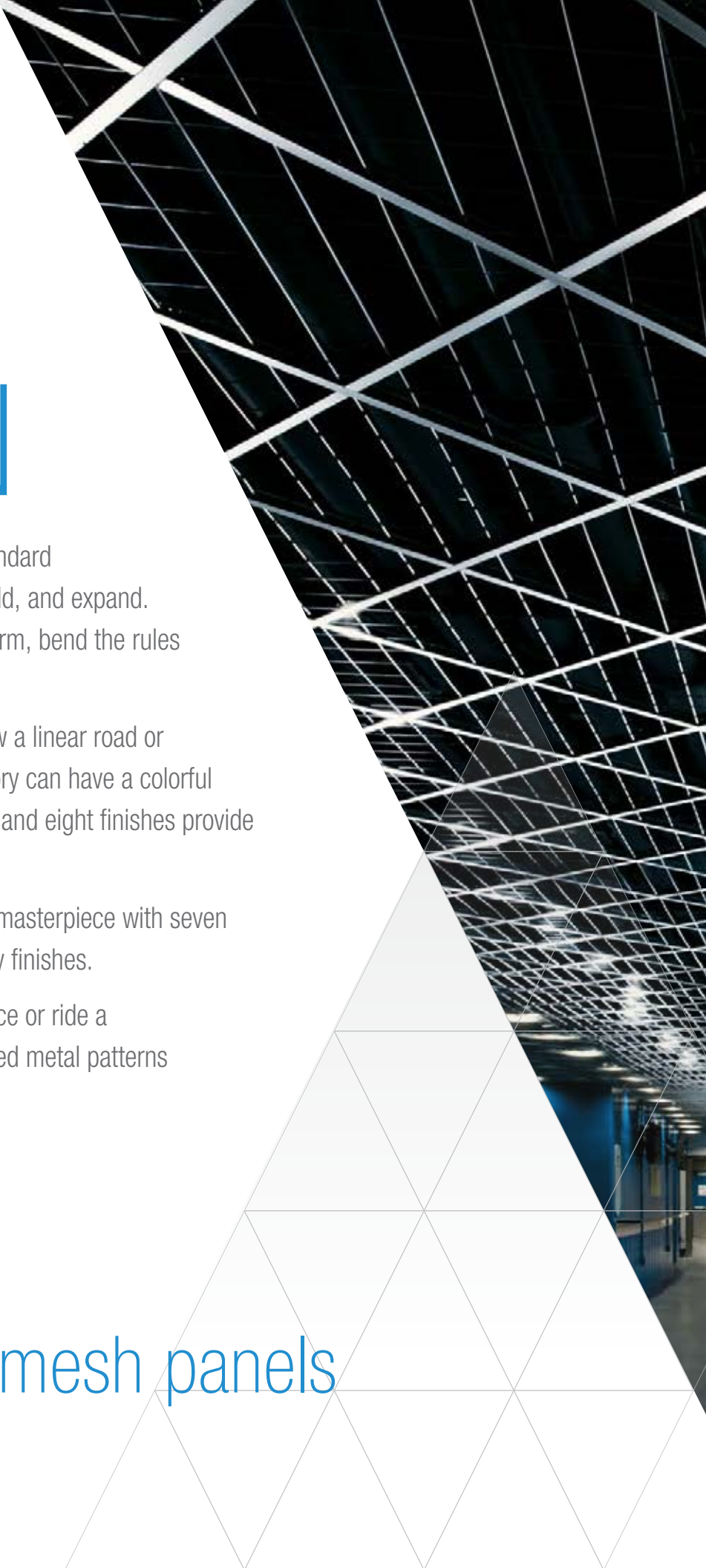


METAL WORKS™

Mesh

Inspiring Great Spaces®

Armstrong®
CEILING SOLUTIONS



Intertwine Your DESIGN

The industry's broadest portfolio of standard Mesh ceilings allows you to weave, weld, and expand. 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.

durable metal mesh panels





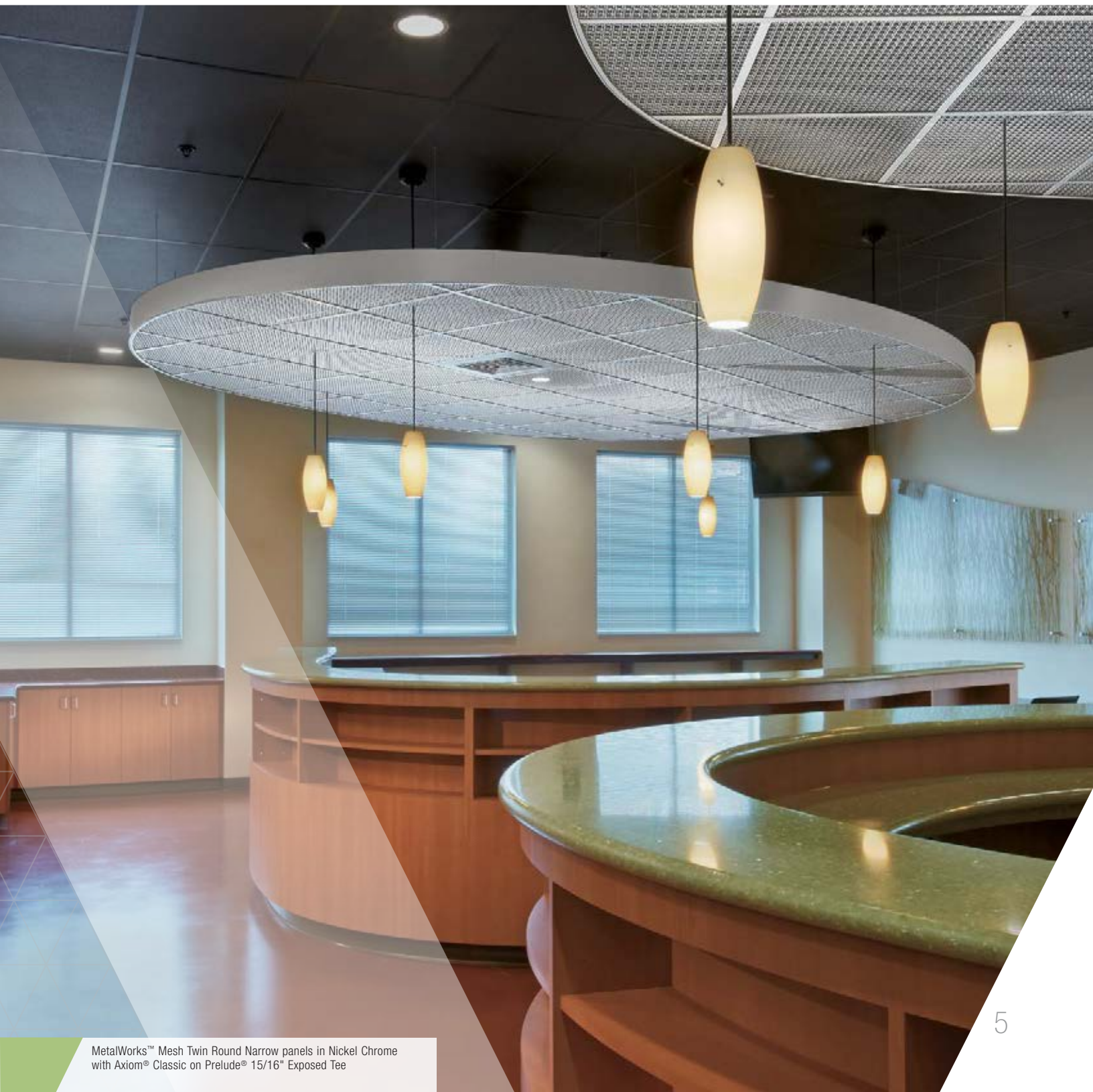
MetalWorks™ Mesh Twin Round Narrow panels in Nickel Chrome finish with Prelude® XL® 15/16" Exposed Tee suspension system
AXA Equitable, New York, NY

DESIGN OPTIONS

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

DESIGN FLEXIBILITY

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

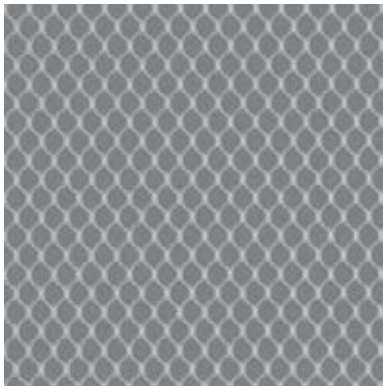




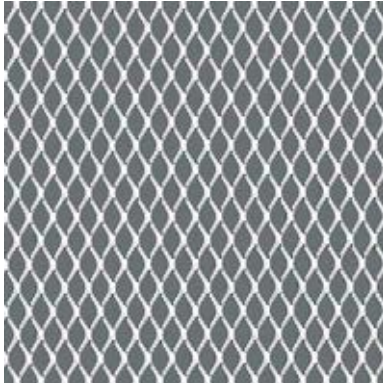
METALWORKS™ Mesh

MetalWorks™ Mesh now has expanded items featuring Tegalared patterns in a wide variety of shapes, patterns and styles.

MetalWorks™ Mesh Linear Channel in
Antique Nickel on Prelude® 360° 15/16"
suspension system in Black



Expanded Metal – Tegular
Scallops



Expanded Metal – Tegular
Lattice



Square Weave – Square Lay-in
Over-Under Square



Round Weave – Square Lay-in
Twin Circle

- ▶ 24" x 24" Tegular edge option for select mesh visuals for added dimensional flexibility
- ▶ New Antique Nickel plated finish
- ▶ Compatible with Axiom® extruded aluminum trims
- ▶ Easy to install Tegular panels on standard Prelude® suspension system



MetalWorks™ Mesh Twin Flat Narrow in Silver Grey with Axiom® Knife Edge® Trim in Silver Grey on Prelude® XL® 15/16" Suspension System in Silver Grey
Walker Engineering Inc., Irving, TX

METALWORKS™ Mesh Lay-in & Tegular

Woven Wire

Square Weave – Square Lay-in



1Cell
Item 6415AM



Twin Round Narrow
Item 6129AM



Single Flat Narrow
Item 6411AM

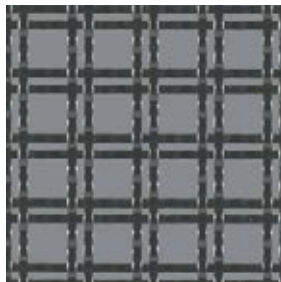
Diamond Weave – Square Lay-in



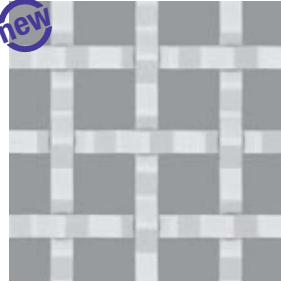
1Diamond
Item 6417AM



2Cell
Item 6416AM



Twin Flat Narrow
Item 6412AM



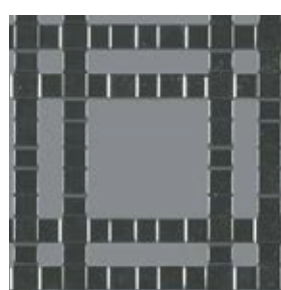
Single Flat Wide
Item 8199AM



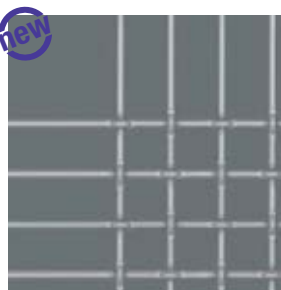
2Diamond
Item 6418AM



Over-Under Square
Item 8200AM

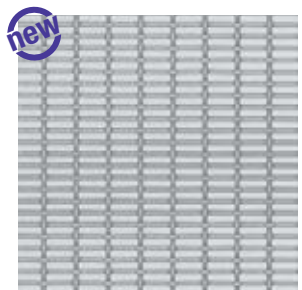


Twin Flat Wide
Item 6410AM



Quad Round Narrow
Item 8198AM

Linear Weave – Tegular

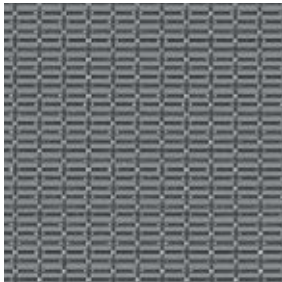


Fine Rectangular
Item 8195AM



Woven Wire

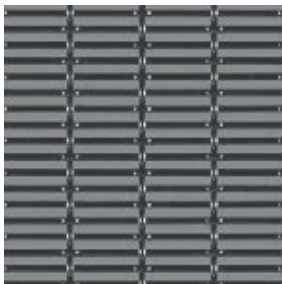
Linear Weave – Square Lay-in



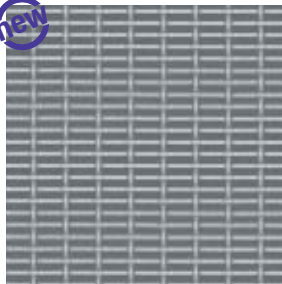
Single Mini
Item 6413AM



Triple Narrow
Item 6128AM



Single Narrow
Item 6414AM



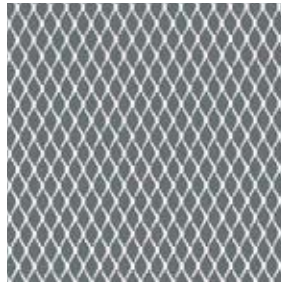
Fine Rectangular
Item 8203AM



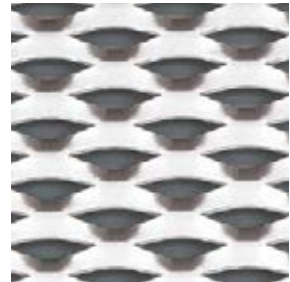
MetalWorks™ Mesh Cascades in Natural Anodized with Suprafine® XL® suspension system and Angle Molding in Silver Grey

Expanded Metal

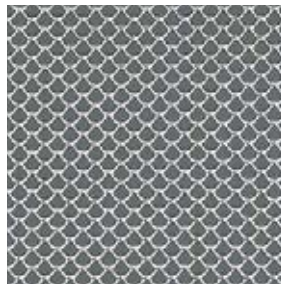
Expanded Metal – Square Lay-in



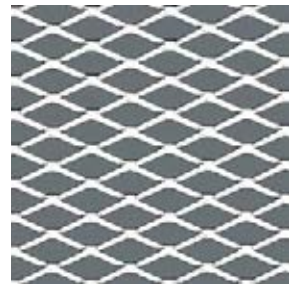
Lattice
Item 6136AM



Cascades
Item 6139AM



Scallops
Item 6137AM

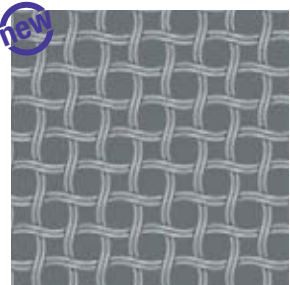


Trellis
Item 6138AM

Round Weave – Square Lay-in



Round Rectangular
Item 8201AM



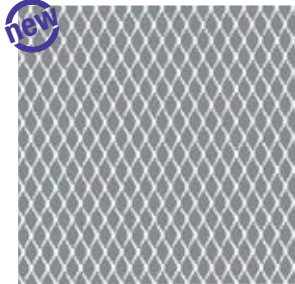
Twin Circle
Item 8202AM

METALWORKS™ Mesh Lay-in & Tegular

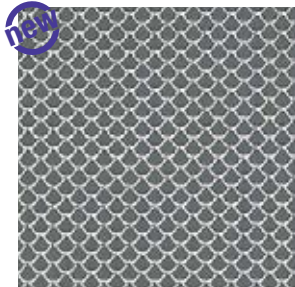
Expanded Metal

Welded Wire

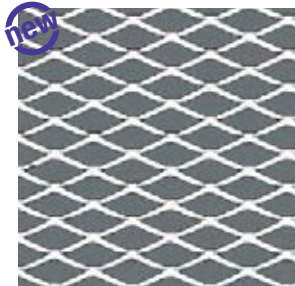
Expanded Metal – Tegular



Lattice
Item 8192AM



Scallops
Item 8193AM



Trellis
Item 8194AM

Welded – Square Lay-in



1Cell
Item 6131AM



2Cell
Item 6132AM



3Cell
Item 6133AM

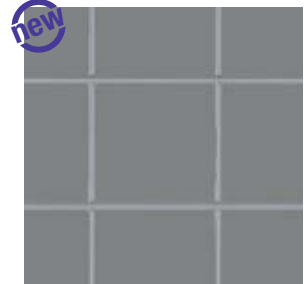
Welded – Tegular



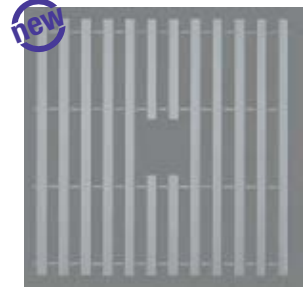
1Cell
Item 8190AM



Linear Channel
Item 8196AM



2Cell
Item 8191AM

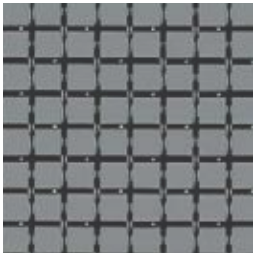


Linear Channel with Center Hole
Item 8197AM
(Full panel shown, see 8196AM for scale)

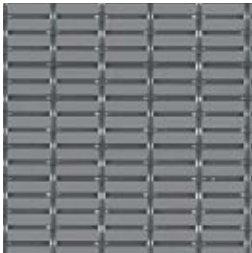


MetalWorks™ Mesh Welded Wire 2Cell in Nickel Chrome finish with Infusions® Canopies and Prelude® XL® 15/16" Exposed Tee suspension system

Custom Patterns



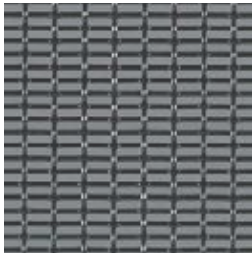
Item 6424



Item 6429



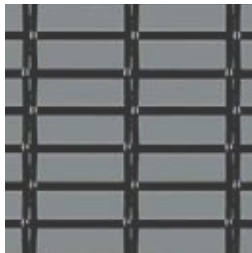
Item 6434



Item 6425



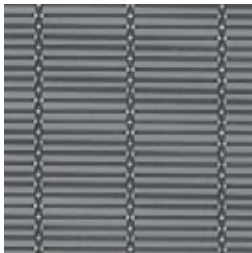
Item 6430



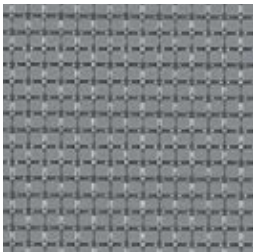
Item 6426



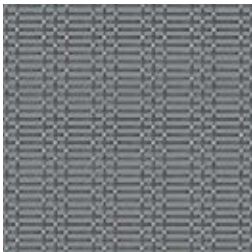
Item 6431



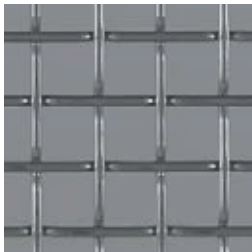
Item 6436



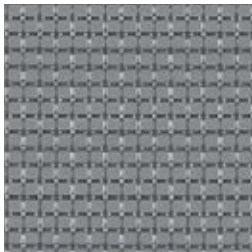
Item 6432



Item 6437



Item 6423



Item 6433



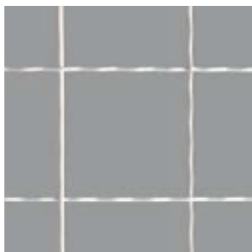
Item 6419 (1:6 scale shown)



Item 6420 (1:6 scale shown)



Item 6421 (1:6 scale shown)



Item 6422 (1:6 scale shown)

NOTE: Custom patterns are available in all standard colors except Bright, Natural Anodized, and Antique Nickel.

* Minimum quantities and extended lead times may apply. For more information, visit our website at armstrongceilings.com/mesh or call 1 877 276 7876.

METALWORKS™ Mesh Lay-in & Tegalur



MetalWorks™ Mesh Linear Channeled panels in Antique Nickel with Prelude® 360° 15/16" suspension system (Pgs. 450)



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

Now get MetalWorks™ Mesh panels with updated patterns and tegular edges.

KEY SELECTION ATTRIBUTES



- Thirty-two standard designs on 24" x 24" ceiling panels, including 8 new Tegalur panels
- 10 standard colors, including new Antique Nickel finish, plus custom colors available
- Variety of standard colors, plus custom colors available
- Flexible design – use as accent borders, clouds, or full ceilings
- Simple installation – panels lay in standard 15/16" suspension system with borders or finished edges
- Can be used in Formations™ clouds
- Black acoustic panels provide sound absorption and hide plenum

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.

- * Not available on Cascades
- ** Premium options – may have longer lead times
- *** Not available on Expanded Metal or Cascades
- † Not available as a coordinating suspension system color

MESH FINISHES – Anodized for Cascades



Bright Anodized (BA)†



Natural Anodized (NA)†

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

MESH FINISHES – Plated Antique Nickel



Antique Nickel (AN)***

Antique Nickel finish reflects the light with a beautiful true metallic finish. 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)

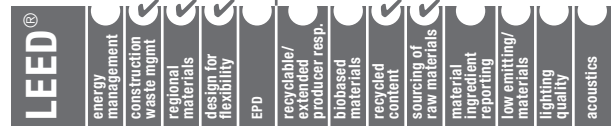


Natural Aluminum (NA)



Custom Colors Available

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



LOCATION DEPENDENT

WITH INFILL PANEL

WOVEN WIRE (1:6 scale shown)

Square Weave – Square Lay-in



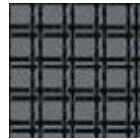
1Cell
Item 6415AM
Spacing: 0.86" x 0.86"
Wire Diameter: 0.11"
% Open Area: 76%



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



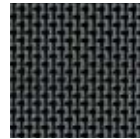
Twin Round Narrow
Item 6129AM
Spacing: 0.25"/0.57"/
0.25"/0.57"
Wire Diameter: 0.80"
% Open Area: 61%



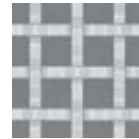
Twin Flat Narrow
Item 6412AM
Spacing: 0.25"/0.75"/
0.25"/0.75"
Wire Diameter: 0.92"
% Open Area: 53%



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



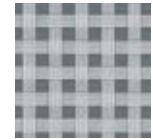
Single Flat Narrow
Item 6411AM
Spacing: 0.25" x 0.25"
Wire Diameter: 0.92"
% Open Area: 21%



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



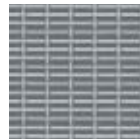
Single Mini
Item 6413AM
Spacing: 0.32" x 0.32"
Wire Diameter: 0.63"
% Open Area: 57%



Single Narrow
Item 6414AM
Spacing: 0.105"
Wire Diameter: 1.105"
% Open Area: 82%



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

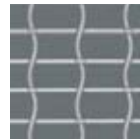


1Diamond
Item 6417AM
Spacing: 0.86" x 0.86"
Wire Diameter: 0.11"
% Open Area: 76%

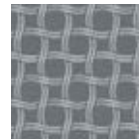


2Diamond
Item 6418AM
Spacing: 1.33" x 1.33"
Wire Diameter: 0.14"
% Open Area: 82%

Round Weave – Square Lay-in

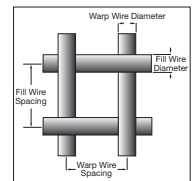


Round Rectangular
Item 8201AM
Wire Diameter: 0.105"
% Open Area: 75%



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

Wire Key

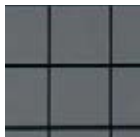


WELDED WIRE (Actual 1:6 scale shown)

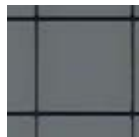
Welded Wire – Square Lay-in



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

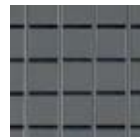


2Cell
Item 6132AM
Spacing: 2.0" x 2.0"
Wire Diameter: 0.120"
% Open Area: 88%



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%



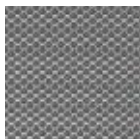
Linear Channel with Center Hole
Item 8197AM
Wire Diameter: 0.192"
Wire Dimension:
0.044" Channel
% Open Area: 60%

EXPANDED METAL (Actual 1:6 scale shown)

Expanded Metal – Square Lay-in



Lattice
Item 6136AM
Spacing: 0.036"
% Open Area: 73%



Scallops
Item 6137AM
Spacing: 0.048"
% Open Area: 61%



Trellis
Item 6138AM
Spacing: 0.060"
% Open Area: 70%

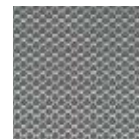


Cascades
Item 6139AM
Spacing: 0.080"
% Open Area: 23%

Expanded Metal – Tegular



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

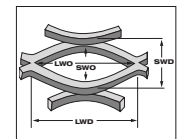


Scallops
Item 8193AM
Wire Diameter: N/A
% Open Area: 61%



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

Expanded Metal Key



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 BPCS-3713

METALWORKS™ Mesh Lay-in & Tegular

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

ACOUSTICAL INFORMATION

Edge Profile	Item Number ♦ Description	Panel Interior Opening Dimensions W x L x H (Inches)	% Open Area	Fire Rating	Wash	Scrub	Impact	Soil	% Open Area	Infill Panel Item Number	NRC
WOVEN WIRE											
Square Weave											
	6129AM __ Twin Round Narrow	24 x 24 x 1/4"	61%	Class A	•	•	•	•	21% Open Area 	5823	0.85
	6410AM __ Twin Flat Wide	24 x 24 x 1/4"	56%	Class A	•	•	•	•		1713BL	0.70
	6411AM __ Single Flat Narrow	24 x 24 x 1/4"	21%	Class A	•	•	•	•		2820BK	0.85
	6412AM __ Twin Flat Narrow	24 x 24 x 1/4"	53%	Class A	•	•	•	•	53% Open Area 	5823	0.85
	6415AM __ 1Cell	24 x 24 x 1/4"	76%	Class A	•	•	•	•		1713BL	0.70
	6416AM __ 2Cell	24 x 24 x 1/4"	82%	Class A	•	•	•	•		2820BK	0.85
	8199AM __ Single Flat Wide	24 x 24 x 1/4"	51%	Class A	•	•	•	•	76% Open Area 	5823	0.85
	8198AM __ Quad Round Narrow	24 x 24 x 1/4"	77%	Class A	•	•	•	•		1713BL	0.75
8200AM __ Over-Under Square	24 x 24 x 1/4"	34%	Class A	•	•	•	•	2820BK		0.85	
Linear Weave											
	6413AM __ Single Mini	24 x 24 x 1/4"	57%	Class A	•	•	•	•	NOTE: Patterns with similar 5 open area will achieve similar acoustic results.		
	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											
	8195AM __ Fine Rectangular	24 x 24 x 1/4"	47%	Class A	•	•	•	•			
Diamond Weave											
	6417AM __ 1Diamond	24 x 24 x 1/4"	76%	Class A	•	•	•	•			
	6418AM __ 2Diamond	24 x 24 x 1/4"	82%	Class A	•	•	•	•			
Round Weave											
	8201AM __ Round Rectangular	24 x 24 x 1/4"	75%	Class A	•	•	•	•			
	8202AM __ Twin Circle	24 x 24 x 1/4"	41%	Class A	•	•	•	•			

ACOUSTICAL PANEL INSTALLATION



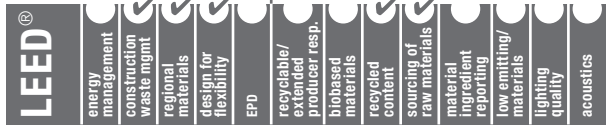
Metal Mesh™ Mesh™ ceiling panel with Cells® 2820BK is 6"

♦ 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 pgs. 156-157.

ACOUSTICAL PANEL INSTALLATION



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



VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

ACOUSTICAL INFORMATION

LOCATION DEPENDENT

WITH INFILL PANEL

Edge Profile	Item Number ♦ Description	Panel Dimensions W x L x H (Inches)
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WELDED WIRE

	6131AM __ 1Cell	24 x 24 x 1/4"
	6132AM __ 2Cell	24 x 24 x 1/4"
	6133AM __ 3Cell	24 x 24 x 1/4"
	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"

EXPANDED METAL

	6136AM __ Lattice	24 x 24 x 1/4" SWD 0.250", LWD 0.500"
	6137AM __ Scallops	24 x 24 x 1/4" SWD 0.295", LWD 0.394"
	6138AM __ Trellis	24 x 24 x 1/4" SWD 0.515", LWD 1.200"
	6139AM __ Cascades	24 x 24 x 1/4" SWD 0.950", LWD 2.000"
	8192AM __ Lattice	24 x 24 x 1/4"
	8193AM __ Scallops	24 x 24 x 1/4"
	8194AM __ Trellis	24 x 24 x 1/4"

♦ 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 Pgs. 156-157.

% Open Area	Fire Rating	Wash	Scrub	Impact	Soil
		Durability			

% Open Area		Infill Panel Item Number	NRC
21% Open Area 	Single Flat Narrow	5823	0.85
		1713BL	0.70
		2820BK	0.85
53% Open Area 	Twin Flat Narrow	5823	0.85
		1713BL	0.70
		2820BK	0.85
76% Open Area 	1 Cell	5823	0.85
		1713BL	0.75
		2820BK	0.85

NOTE: Patterns with similar % open area will achieve similar acoustic results.

SUSPENSION SYSTEMS



(See Pgs. 391-392 for Prelude® XL® components.)
(See Pg. 383 for 360° Painted Grid components.)

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

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 system ceilings, as defined by NFPA 13,

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 panels. Painted panels may experience a slight reduction in NRC due to color painting processes.

Design Considerations

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

Hold-Down Clips may be required in some installations, see pgs. 156-157. 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.

Warranty

Details at armstrongceilings.com

Weight/Panel (Bulk Packed)

6128AM – 4.2 lbs	8192AM – 1.9 lbs
6129AM – 6.0 lbs	8193AM – 2.3 lbs
6131AM – 4.0 lbs	8194AM – 3.0 lbs
6132AM – 2.3 lbs	8196AM – 7.9 lbs
6133AM – 1.6 lbs	8197AM – 7.3 lbs
6410AM – 4.8 lbs	8198AM – 4.8 lbs
6412AM – 4.8 lbs	8199AM – 6.5 lbs
6136AM – 1.8 lbs	8200AM – 8.1 lbs
6137AM – 2.8 lbs	8195AM – 7.4 lbs
6138AM – 1.7 lbs	8203AM – 7.0 lbs
6139AM – 2.1 lbs	8201AM – 4.5 lbs
8190AM – 4.4 lbs	8202AM – 7.7 lbs
8191AM – 3.2 lbs	

Minimum Order Quantity

100 Square Feet

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,
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Monday through Friday. FAX 1 800 572 8324
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