



CEILING SYSTEMS

Between us, ideas become reality®

METALWORKS Mesh



Armstrong®

METALWORKS Mesh



Key Selection Attributes

- Create a contemporary, open feel
- Six standard designs on 600 x 600mm and 610 x 610 mm ceiling panels
- Three premium colors
- Flexible design—use as accent borders, clouds or full ceilings
- Simple and safe installation – panels lay in standard 24mm grid or spcaial aluminium stainless steel angels with borders or finished edges
- Can be used in Axiom canopies
- Additional sizes, colors and patterns available as custom options

Typical Applications

- Office
- Education
- Hospitality and retail
- Healthcare
- Transportation (including Light Rail)



Color Selection Due to printing limitations, shades may vary from actual product.



White
(WH)



Silver Grey
(SG)



Tech Black
(BL)

METALWORKS Mesh

Intertwine Your Design

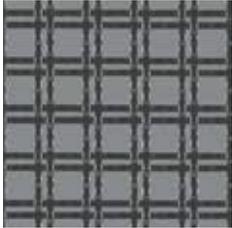
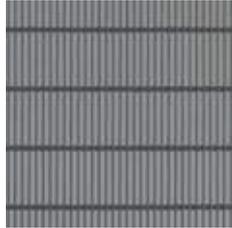
The industry's broadest portfolio of standard Mesh ceilings allows you to weave, and stretch your imagination.

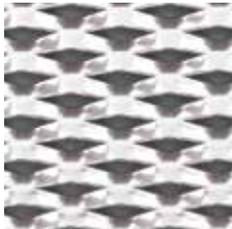
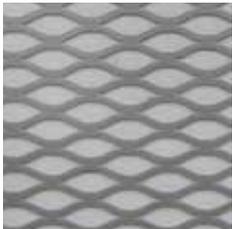
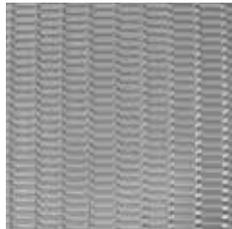
Weave a new tale.

Whether you follow a linear road or hopscotch the squares, your woven story can have a colorful conclusion. Three standard designs and different finishes provide the possibilities.

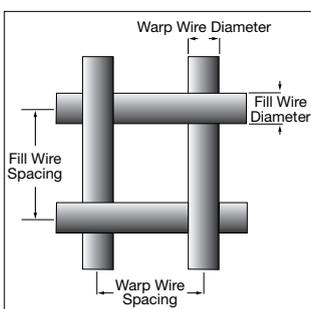
Expand your horizons.

Climb the lattice or ride a waterfall's cascade with three expanded metal patterns in different finishes.

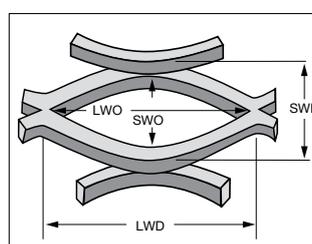
Woven Wire (Actual 1:3 scale shown)	Twin Round Narrow	Twin Flat Narrow	Triple Narrow
			
Item:	# 6129AM	# 6412AM	# 6128AM
Dimensions:	610 x 610 mm	610 x 610 mm	610 x 610 mm
Warp Spacing (pattern):	6.4mm/15mm/6.4mm/15mm	6.4mm/15mm/6.4mm/15mm	80.01mm
Fill Spacing (pattern):	6.4mm/15mm/6.4mm/15mm	6.4mm/15mm/6.4mm/15mm	9.8mm
Warp Wire Diameter:	2mm	2.4mm	3.05mm
Fill Wire Diameter:	2mm	2.4mm	2.35mm
Open Area:	61%	53%	62%

Expanded Metal (Actual 1:3 scale shown)	Cascades	Linen web	Lattice Flat
			
Item:	# 6139AM	# MWHS01WE1AWE	# MWHA01LE1AWE
Dimensions:	610 x 610 mm	600 x 610 mm	600 x 600 mm
SWD:	37.45mm	8.25mm	14.04mm
Lwd:	76.03mm	26.17mm	30.32mm
SWO:	25.25mm	3.25mm	7.65mm
LWO:	62.7mm	26.17mm	22.55mm
Open Area:	49.46%	41.76%	30.9%

Woven & Welded Wire Key



Expanded Metal Key



SWD – Short Way of Design
LWD – Long Way of Design
SWO – Short Way of Opening
LWO – Long Way of Opening

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Visual Selection

Item Number*	Description	Panel Dimensions (mm)	Interior Pattern Dimensions (mm)	% Open Area	Fire Rating	Weight/Panel (**bulk packed) (kgs/m ²)
WOVEN WIRE						
6129AM __	Twin Round Narrow	610 x 610	6.4/14.5/6.4/14.5	61%	Class A	7.31
6412AM __	Twin Flat Narrow	610 x 610	6.4/19/6.4/19	53%	Class A	5.86
6128AM __	Triple Narrow	610 x 610	80.1	62%	Class A	5.1
EXPANDED METAL						
MWHS01WE1AWE	Linen Web	610 x 610	SWD 8.25, LWD 26.17	41.76%	Class A	2.65
MWHA01LE1AWE	Lattice Flat	610 x 610	SWD 14.04, LWD 30.32	30.9%	Class A	4.19
6139AM __	Cascades	610 x 610	SWD 37.45, LWD 76.03	49.46%	Class A	2.96

* When specifying or ordering, include the appropriate 2-letter color suffix (Ex: SG, NC)

Note: 100 sqm order quantity for all Welded and Woven items. 160 sqm order quantity for Expanded Metal items.

Suspension Systems

24mm Standard: Prelude XL

Physical Data

Material

All items are cold-rolled steel. Linen Web and Lattice Flat are available in aluminum.

Surface Finish

Available finishes include a range of smooth, factory-applied powder-coated, Linen Web and Lattice Flat are available in aluminum finishes.

Fire Performance

ASTM E84 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. Fire Class A.

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-grid ceilings as defined by NFPA 13, a 600x600mm or 610x610 mm (as the case may be) mineral fiber tile should be placed on the back of the Mesh panel when installing the ceiling, with the sprinkler installed below both panels. (Fine Fissured item 1728BL is an acceptable lay-in product for this use.)

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. **Weight; Square Feet** See Page 4 (**bulk packed)

Warranty

One (1) year limited warranty.

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.

Installation Considerations

Hold down clips may be required in some installations. 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. com/metalworks for details and cutting recommendations.



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