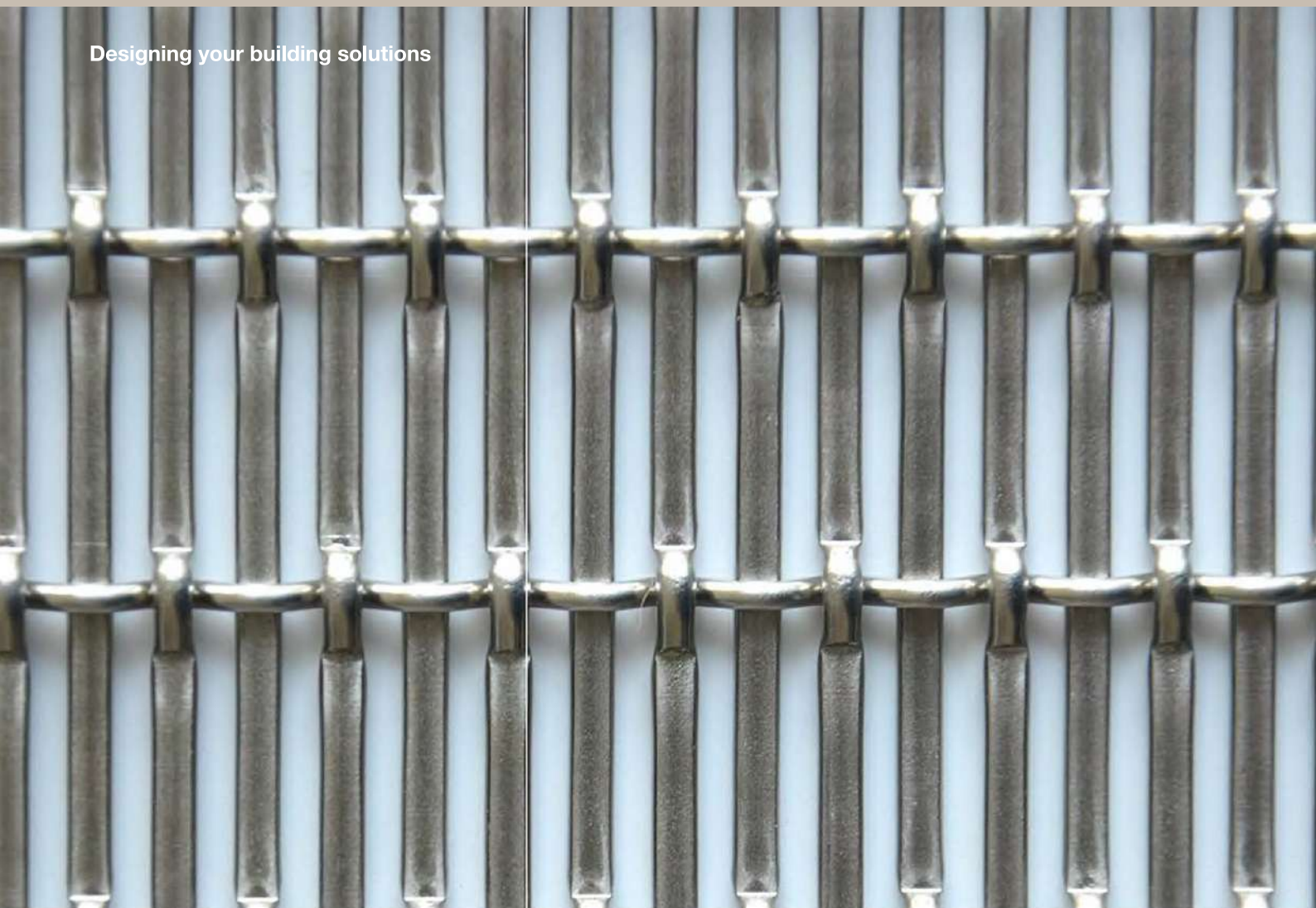
iinno sculpta

Decorative metal mesh solutions II

Designing your building solutions



METAL MESH CURTAIN

16+Year's experience for producing decorative and architectural wire mesh
Glad to work with worldwide architects and designers

METAL MESH CURTAIN

Metal mesh curtain is a new type of metal curtain for modern interior decoration. It is also called metal coil drapery. It is produced by special weaving machine by a pre-coiled spiral wire, the wire's length is the curtain's height. Widely used in the construction and decoration industry. It can also be painted into various colors to match different architectural styles and designs. So it is an ideal decorative product for designers and architects.

SPACE

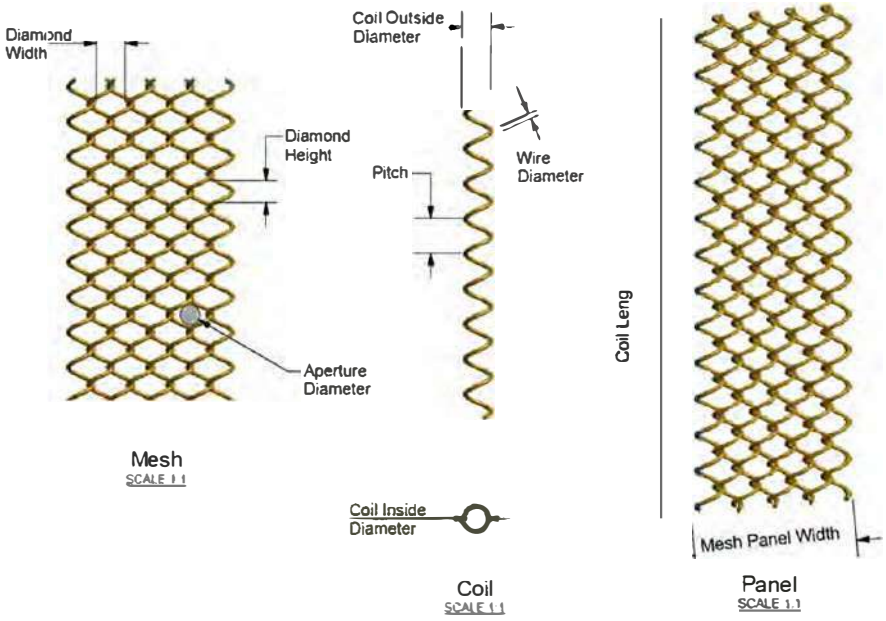
- Partition
- Window
- Interior Design
- Furniture
- Wall Covering

SPECIFICATION

Material	SS304/SS316/Aluminum
Surface finish	Primary color/Spray paint
Wire diameter	0.8mm, 1.0mm, 1.2mm, 1.3mm and etc
Aperture(Hole size)	4mm, 5mm, 6mm, 7mm, 8mm and etc
Height	Max 11m
Length	Unlimited
Weight	1kg/sqm-2kgs/sqm
Color	Silver, copper, brass, gold, rose gold, black, coffee, bronze, red and etc

APPLICATIONS

- Hotel
- Shopping Center
- Office
- Concert Hall
- Restaurant
- Family
- Recreation Center
- School
- Theater
- Library
- Hospital



SPACE

- Partition
- Window
- Interior Design
- Furniture
- Wall Covering

APPLICATIONS

- Hotel
- Shopping Center
- Office
- Concert Hall
- Restaurant
- Family
- Recreation Center
- School
- Theater
- Library
- Hospital

CUSTOMIZED-HUNDREDS OF COLORS

INSTALLATION PROCESS

A Track

B Track head

C Pulley wheel

D Fasterner

E Screw for fixing

F Metal chain

SPACE

- Partition
- Window
- Interior Design
- Furniture
- Wall Covering

APPLICATIONS

- Hotel
- Shopping Center
- Office
- Concert Hall
- Restaurant
- Family
- Recreation Center
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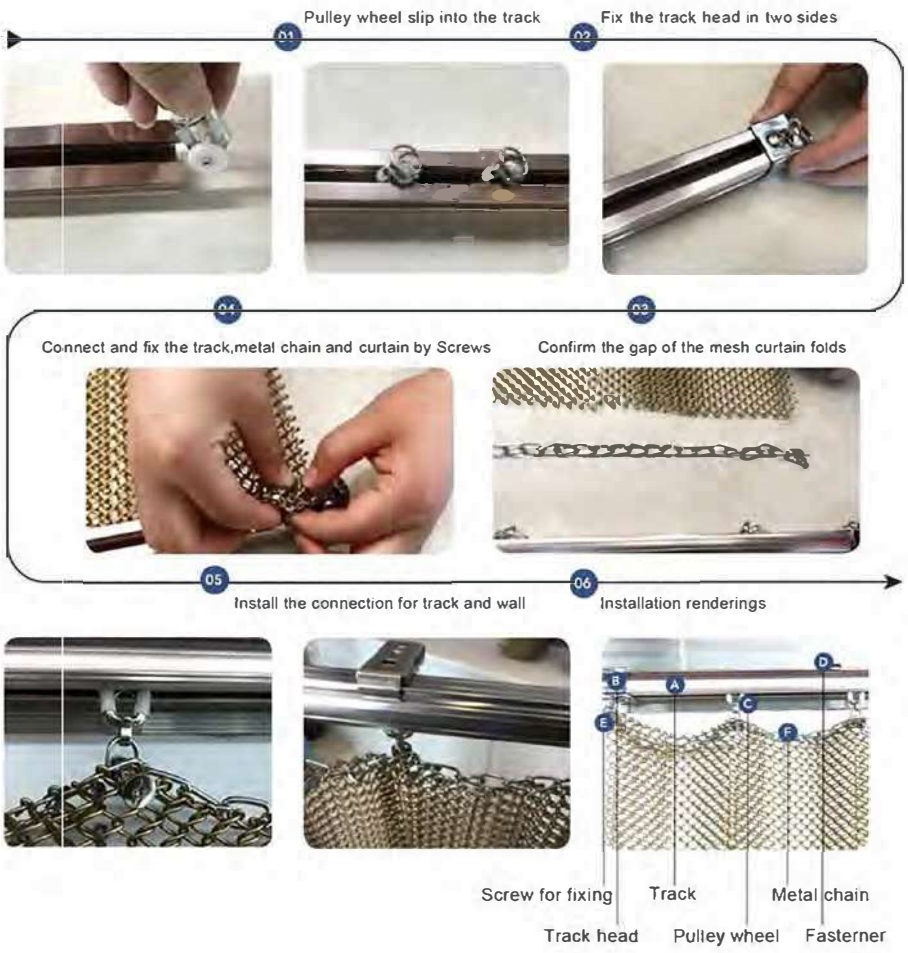
- Theater
- Library
- Hospital



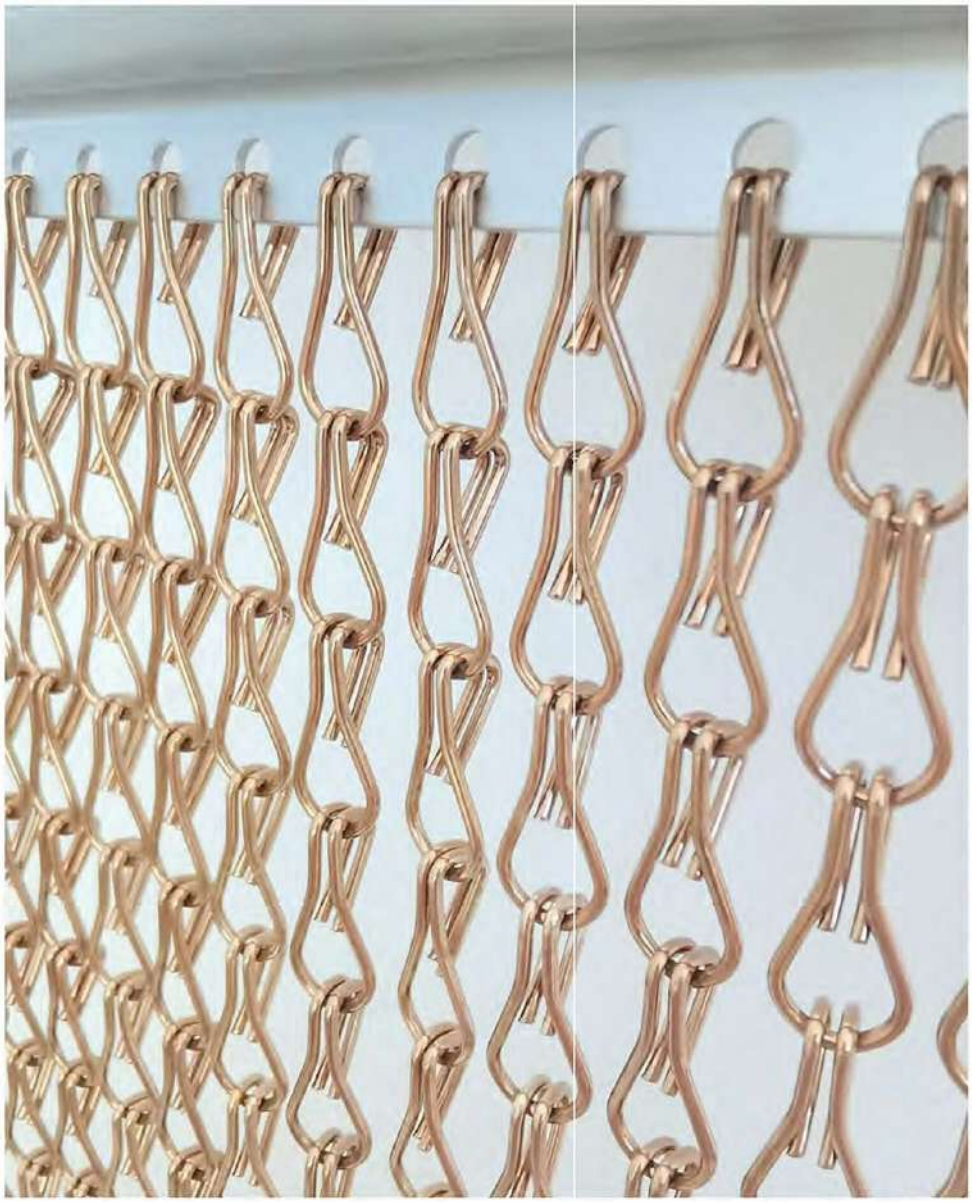
APPLICATIONS

SPACE

- Partition
- Window
- Interior Design
- Furniture
- Wall Covering

APPLICATIONS

- Hotel
- Shopping Center
- Office
- Concert Hall
- Restaurant
- Family
- Recreation Center
- School
- Theater
- Library
- Hospital



METAL CHAIN CURTAIN

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Glad to work with worldwide architects and designers

METAL CHAIN CURTAIN

Metal chain curtain also known as metal chain fly screen or metal chain door curtain, the material is commonly aluminium. No electrical conductivity, No sound absorption, Non-flammable. Fire ratings A1 and A1FL. Resistant to acids with a pH value up to 8 (not resistant to alkaline products), rustproof, orking temperature allowed: -30ºC up to 50ºC, resistant to seawater and oxidation. It can be made various colors to match different architectural styles and designs. So it is an ideal decorative product for designers and architects.

SPACE

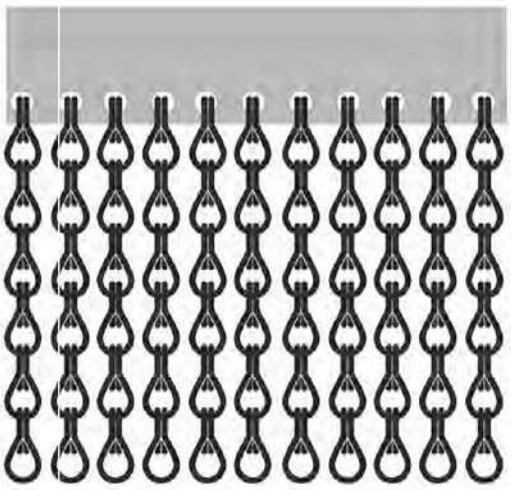
- Partition
- Window
- Interior Design
- Furniture
- Wall Covering

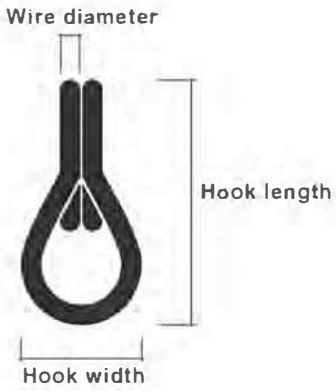
APPLICATIONS

- Hotel
- Shopping Center
- Office
- Concert Hall
- Restaurant
- Family
- Recreation Center
- School
- Theater
- Library
- Hospital

SPECIFICATION

Material	Aluminum
Surface finish	Anodized multiple colors
Wire diameter	1.5mm, 1.6mm, 2.0mm
Hook width	9 mm, 12 mm
Hook length	17mm, 20mm, 24mm
Height	Unlimited
Length	Unlimited
Weight	1.5kg/sqm-3kgs/sqm
Color	Silver, copper, brass, gold, brown, black, coffee, gray, red and etc





Colours and Finishings

SPACE

- Partition
- Window
- Interior Design
- Furniture
- Wall Covering

APPLICATIONS

- Hotel
- Shopping Center
- Office
- Concert Hall
- Restaurant
- Family
- Recreation Center
- School
- Theater
- Library
- Hospital

Lilac
Code: 20127
Brilliant
Code: 20128
Satin

Blue
Code: 20129
Brilliant
Code: 20130
Satin

Black
Code: 20026
Brilliant
Code: 20079
Satin

Cobalt
Code: 20114
Brilliant
Code: 20134
Satin

Turquoise
Code: 20027
Brilliant
Code: 20107
Satin

Coffee
Code: 20110
Brilliant
Code: 20108
Satin

Alizarin
Code:20058
Brilliant
Code:20102
Satin

Coral& DarkOrange
Code:20065
Brilliant
Code:20038
Satin

Sand
Code: 20082
Brilliant
Code: 20010
Satin

Yellow
Code:20123
Brilliant
Code:20135
Satin

SaddleBrown
Code:20006
Brilliant
Code:20021
Satin

Orange
Code: 20078
Brilliant
Code: 20076
Satin

Rape yellow & Sulfur yellow
Code:20125
Brilliant
Code:20048
Satin

Emerald
Code: 20034
Brilliant
Code: 20052
Satin

Lime
Code: 20031
Brilliant
Code: 20033
Satin

Silver
Code: 20001
Brilliant
Code: 20002
Satin

Nickel
Code: 20063
Brilliant

Grey
Code: 20023
Brilliant
Code: 20004
Satin

Amethyst
Code: 20094
Brilliant
Code: 20019
Satin

Pale Pink
Code: 20115
Brilliant
Code: 20117
Satin

Brown
Code: 20015
Brilliant
Code: 20011
Satin

Florida Pink
Code: 20097
Brilliant
Code: 20113
Satin

Pink
Code: 20119
Brilliant
Code: 20121
Satin

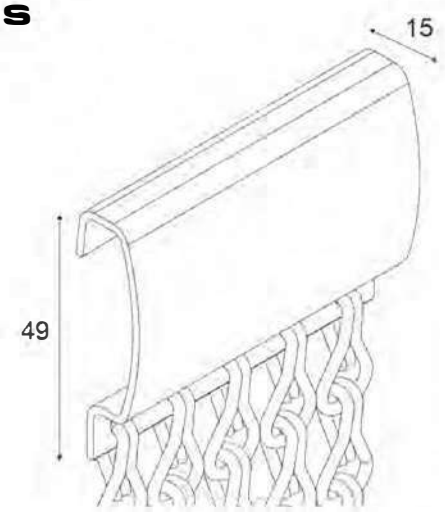
Apricot
Code: 20046
Brilliant
Code: 20045
Satin

Bourdeaux
Code: 20122
Brilliant
Code: 20059
Satin

Red
Code: 20089
Brilliant
Code: 20124
Satin

Gold
Code: 20087
Brilliant
Code: 20084
Satin

Fixation systems



PCA

SHAPES

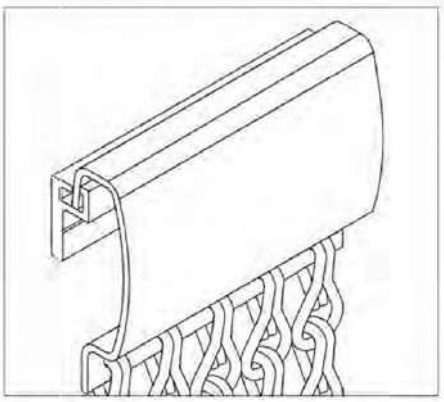
SYSTEM

SPACE

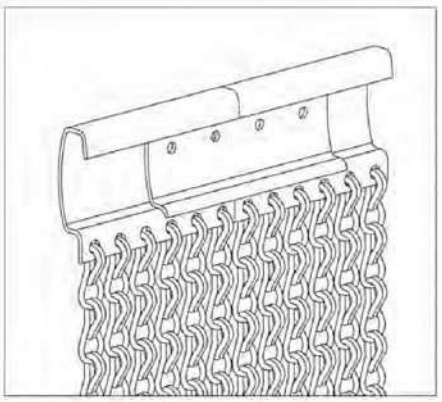
- Partition
- Window
- Interior Design
- Furniture
- Wall Covering

APPLICATIONS

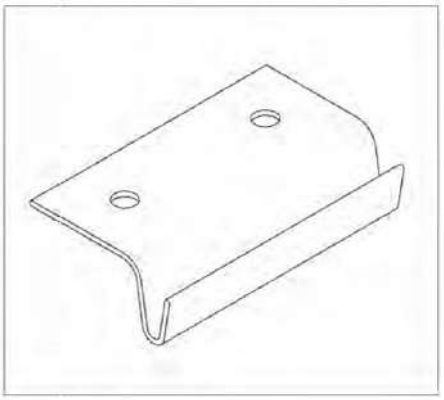
- Hotel
- Shopping Center
- Office
- Concert Hall
- Restaurant
- Family
- Recreation Center
- School
- Theater
- Library
- Hospital



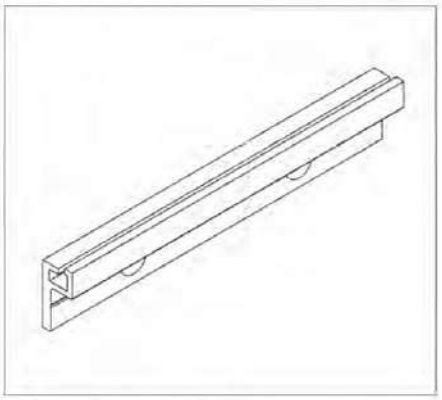
PCA rail



PCA junction



Ceiling bracket

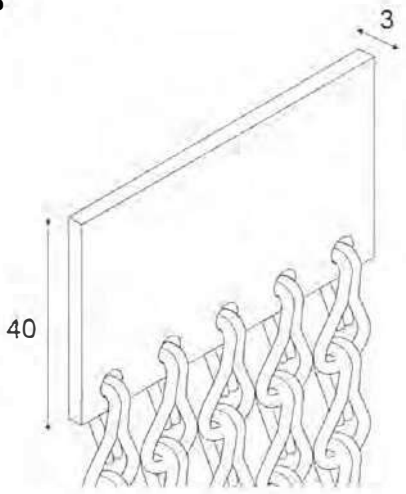


Wall bracket

The PCA anodized aluminium rail is quick and easy to install. Mostly recommended for wall fixing.

APPLICATIONS: Ceilings or walls.
COLOURS: Anodized black / Brown / Aluminium.

Fixation systems



40x3

SHAPES

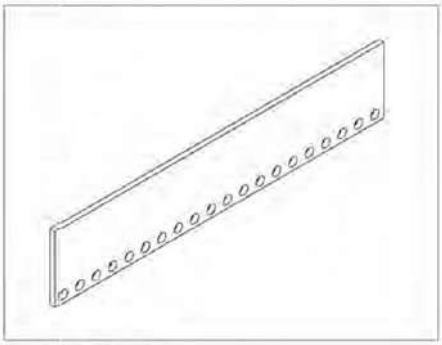
SYSTEM

SPACE

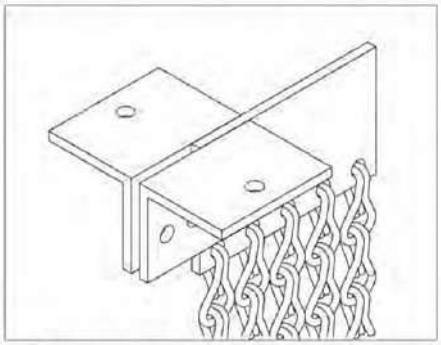
- Partition
- Window
- Interior Design
- Furniture
- Wall Covering

APPLICATIONS

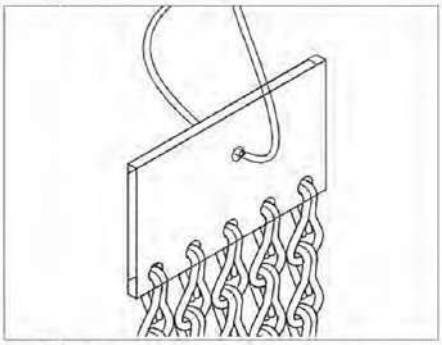
- Hotel
- Shopping Center
- Office
- Concert Hall
- Restaurant
- Family
- Recreation Center
- School
- Theater
- Library
- Hospital



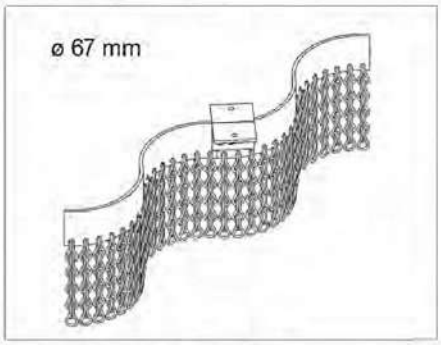
40x3 Rail



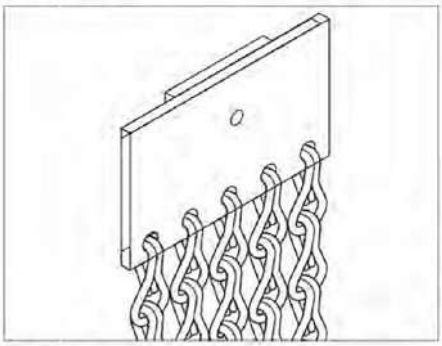
Ceiling bracket



Cables



Standard undulation



Wall separation

If shapes are required,
this is the one.

APPLICATIONS: Ceiling or wall installation.
COLOUR: Natural aluminium.

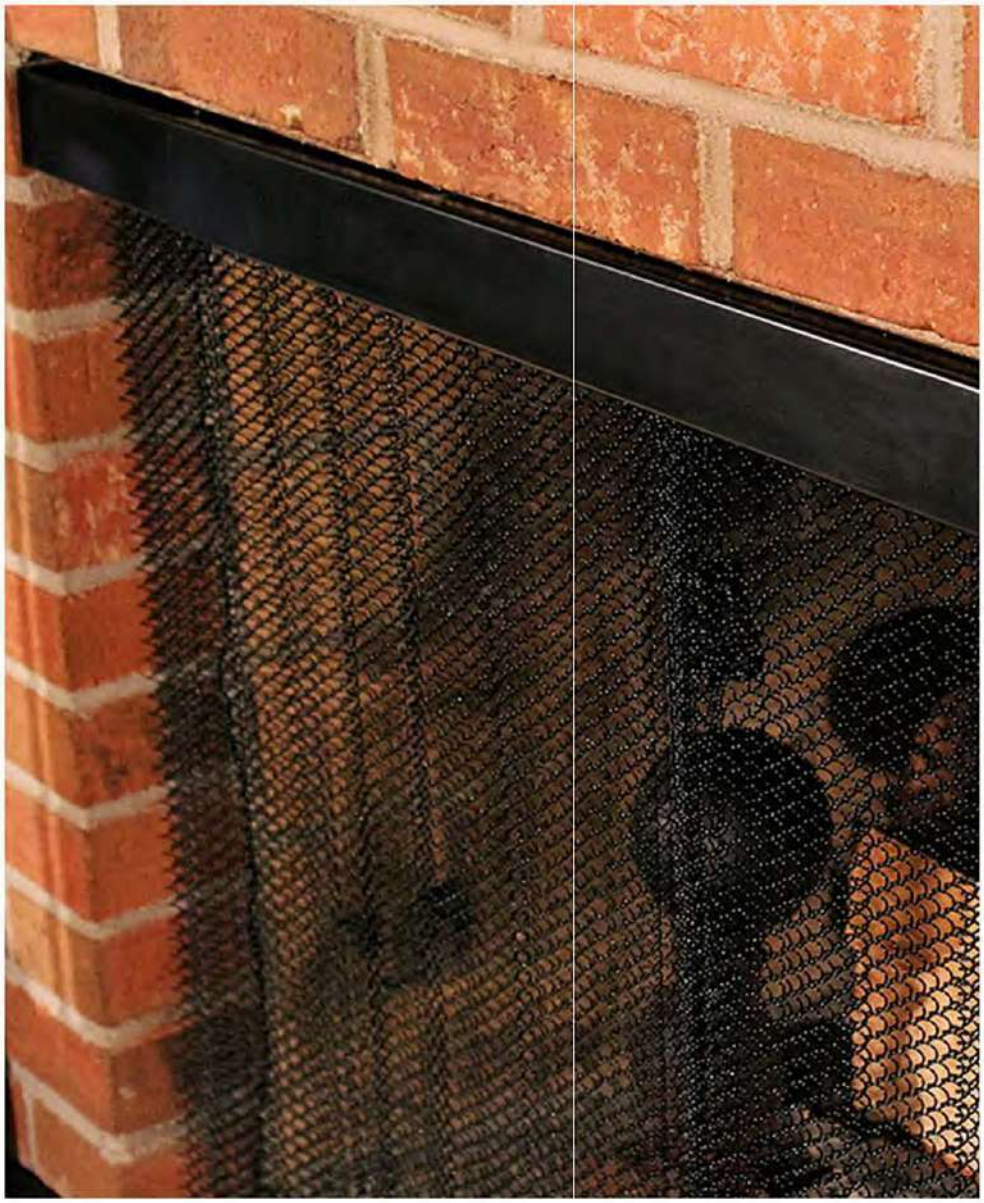
APPLICATIONS

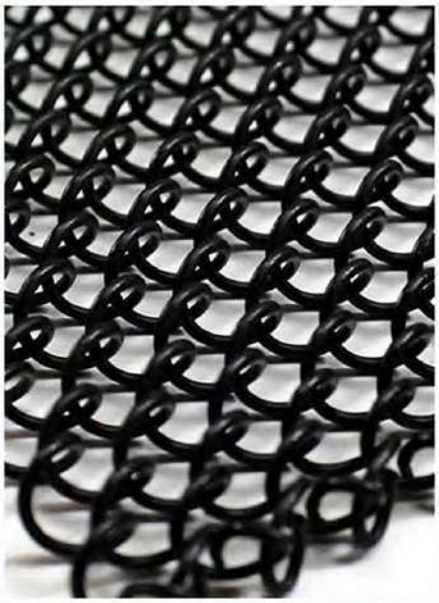
SPACE

- Partition
- Window
- Interior Design
- Furniture
- Wall Covering

APPLICATIONS

- Hotel
- Shopping Center
- Office
- Concert Hall
- Restaurant
- Family
- Recreation Center
- School
- Theater
- Library
- Hospital





FIREPLACE MESH CURTAIN

16+Year's experience for producing decorative and architectural wire mesh
Glad to work with worldwide architects and designers

FIREPLACE MESH CURTAIN

Fireplace mesh curtain is a type of fireplace screens and a very popular product around fireplaces. They are made by mild steel or stainless steel material, designed to help block out pesky sparks, enhance the style of your fireplace. HIGHTOP fireplace mesh curtains will make your fireplace the center point of the room. Beautiful, durable and long service life.

FEATURE

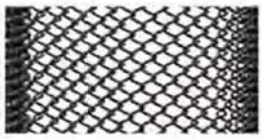
- Painted with rust-inhibiting enamel
- High temperatures resistance
- Corrosion resistance
- Fireproof
- Long service life
- Safe and flexible

STANDARD SPECIFICATION

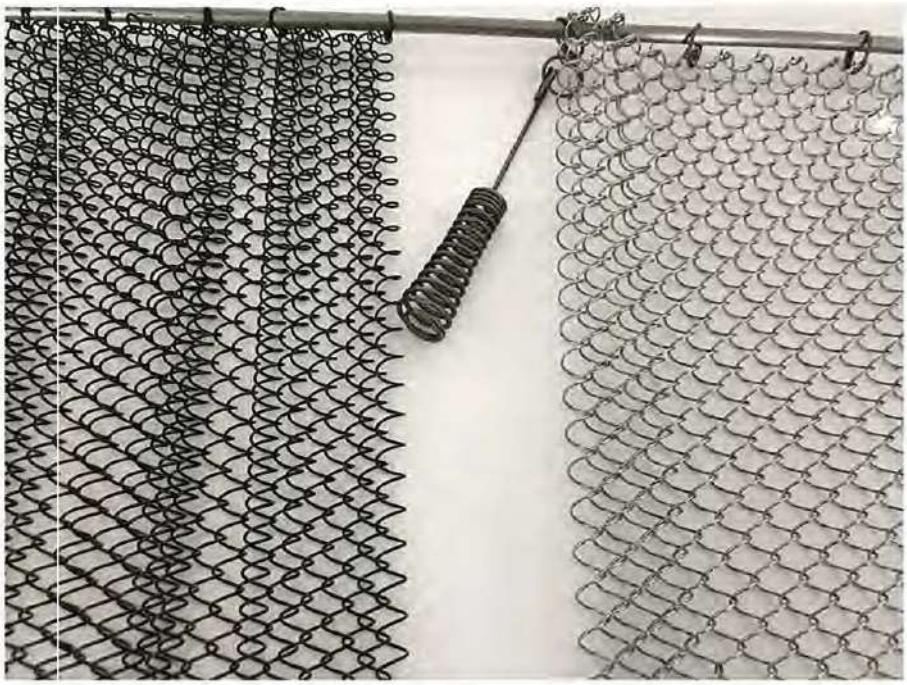
Material: Mild steel, Stainless steel
One Set: Two panels, with two pulls and rings, totaling 48 inches wide.
Height: 16"-36". Can be customized.
Wire Diameter: 19 gauge
Mesh Opening: 1/4" | 3/16" | 1/8"
Hanger Rings: 1/2 inch
Curtain Pull: Included

1/4"Standard Mesh Satin Black

3/16"Mini-mesh Satin Black



1/8"Superfine Mesh Satin Black



FEATURE

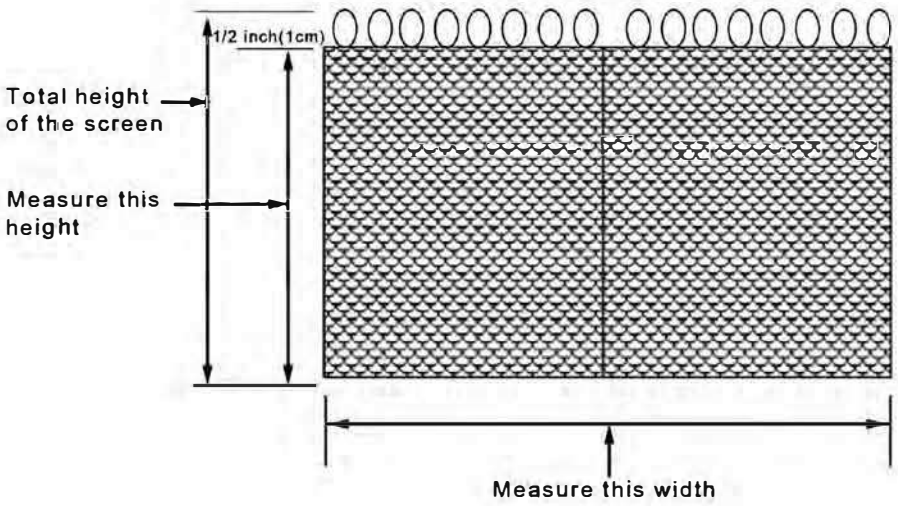
- Painted with rust-inhibiting enamel
- High temperatures resistance
- Corrosion resistance
- Fireproof
- Long service life
- Safe and flexible

How to choose the right size screen for your fireplace

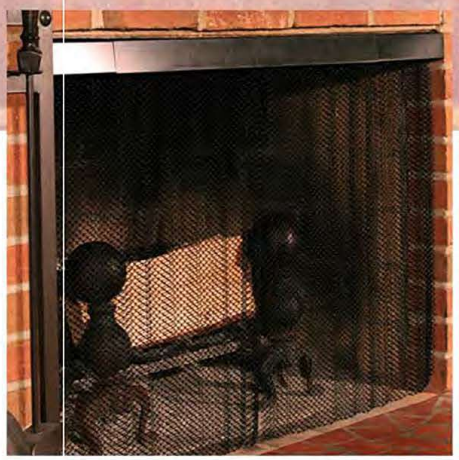
1.Screen height does not include the height of the hanging rings. The included hanging rings add 1/2" to the height of the screen.

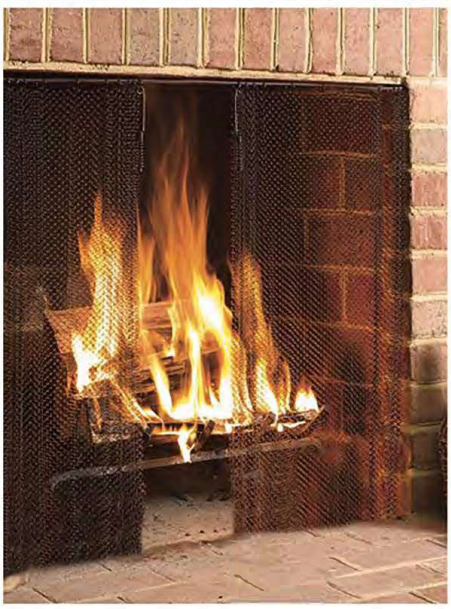
2.Replacing an existing screen: Measure the height and width of the existing screen (not including the hanger rings) and order the same height screen.

3.Adding a screen to an existing rod: Measure the height of your fireplace opening and subtract 1-inch. (1/2" for ring height + 1/2" for bottom clearance).



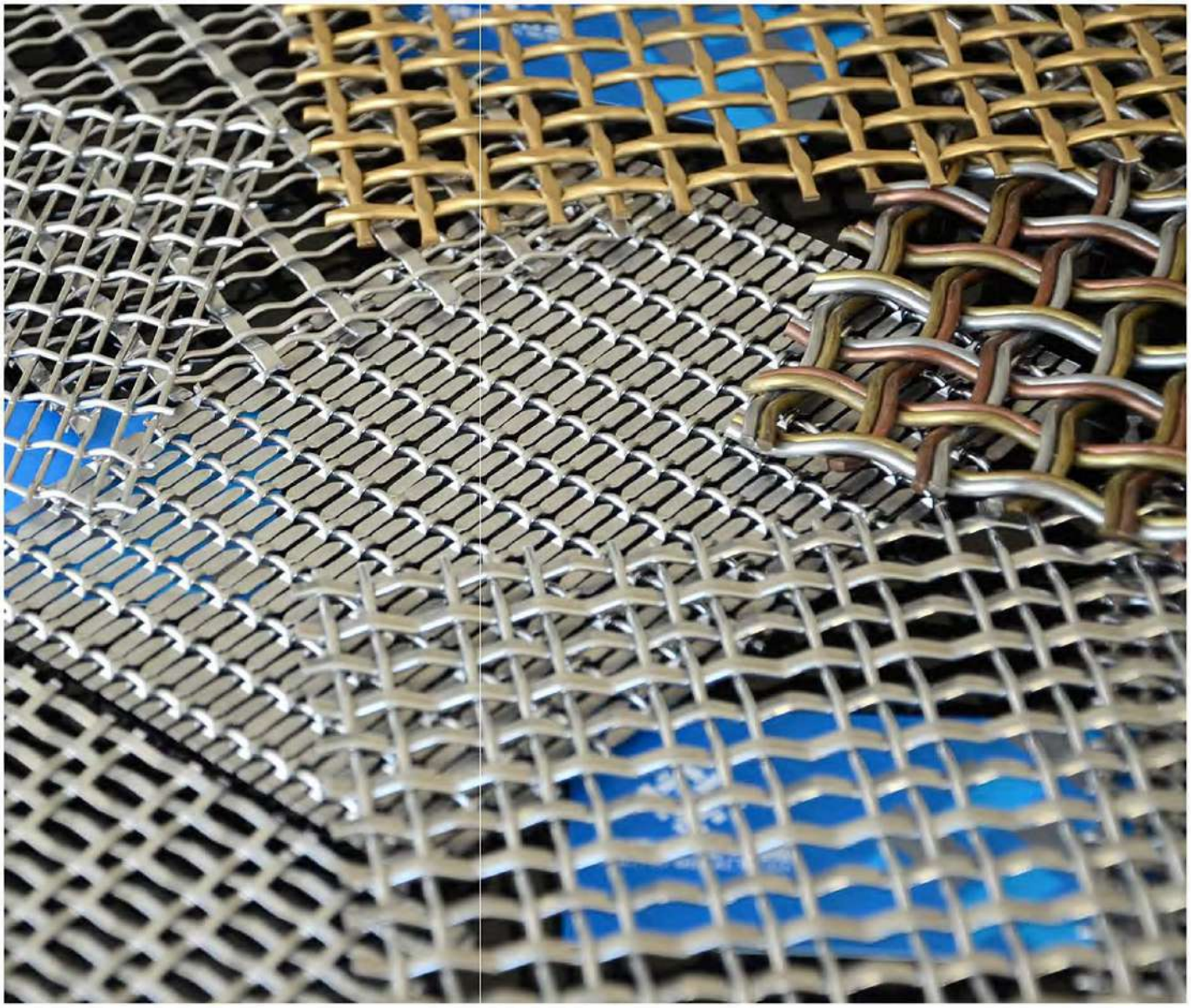
APPLICATIONS





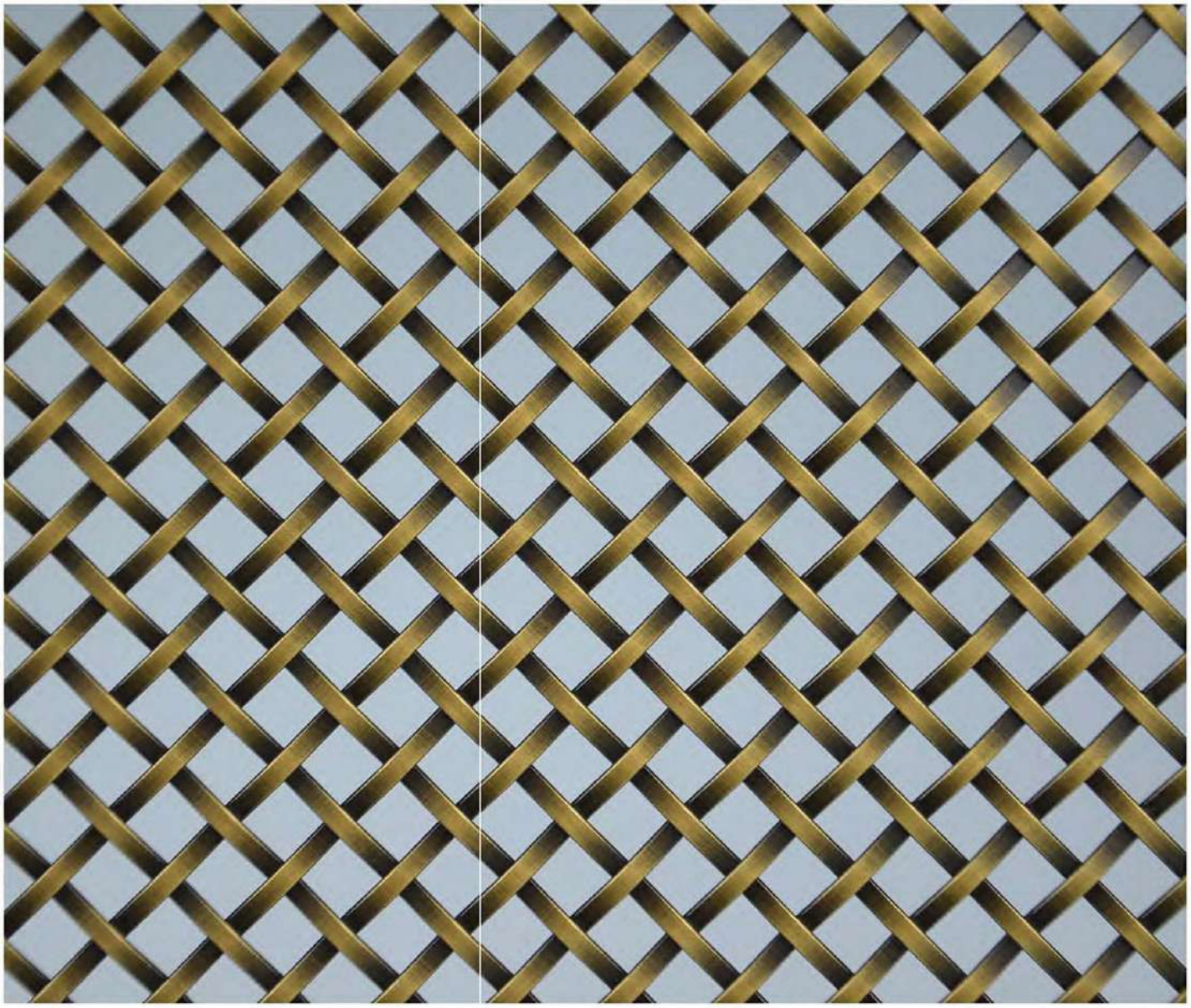
FEATURE

- Painted with rust-inhibiting enamel
- High temperatures resistance
- Corrosion resistance
- Fireproof
- Long service life
- Safe and flexible



DECORATIVE CRIMPED WOVEN MESH

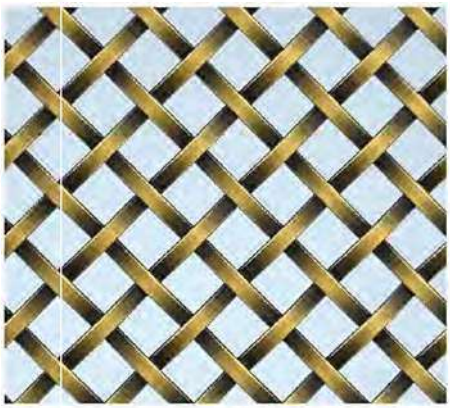
16+Year's experience for producing decorative and architectural wire mesh
Glad to work with worldwide architects and designers



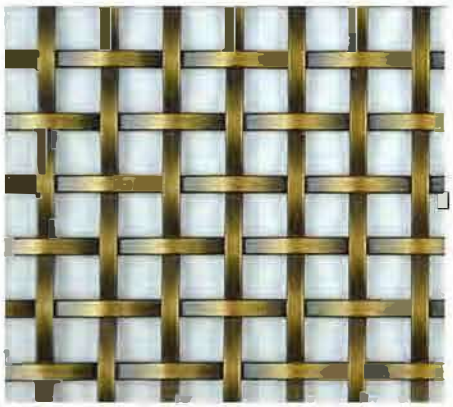
DWM-12

16+Year's experience for producing decorative and architectural wire mesh
Glad to work with worldwide architects and designers

DWM-12: ANTIQUE BRASS DECORATIVE WIRE MESH



Diamond hole



Square hole

SPACE

- Partition
- Window
- Interior Design
- Furniture
- Wall Covering

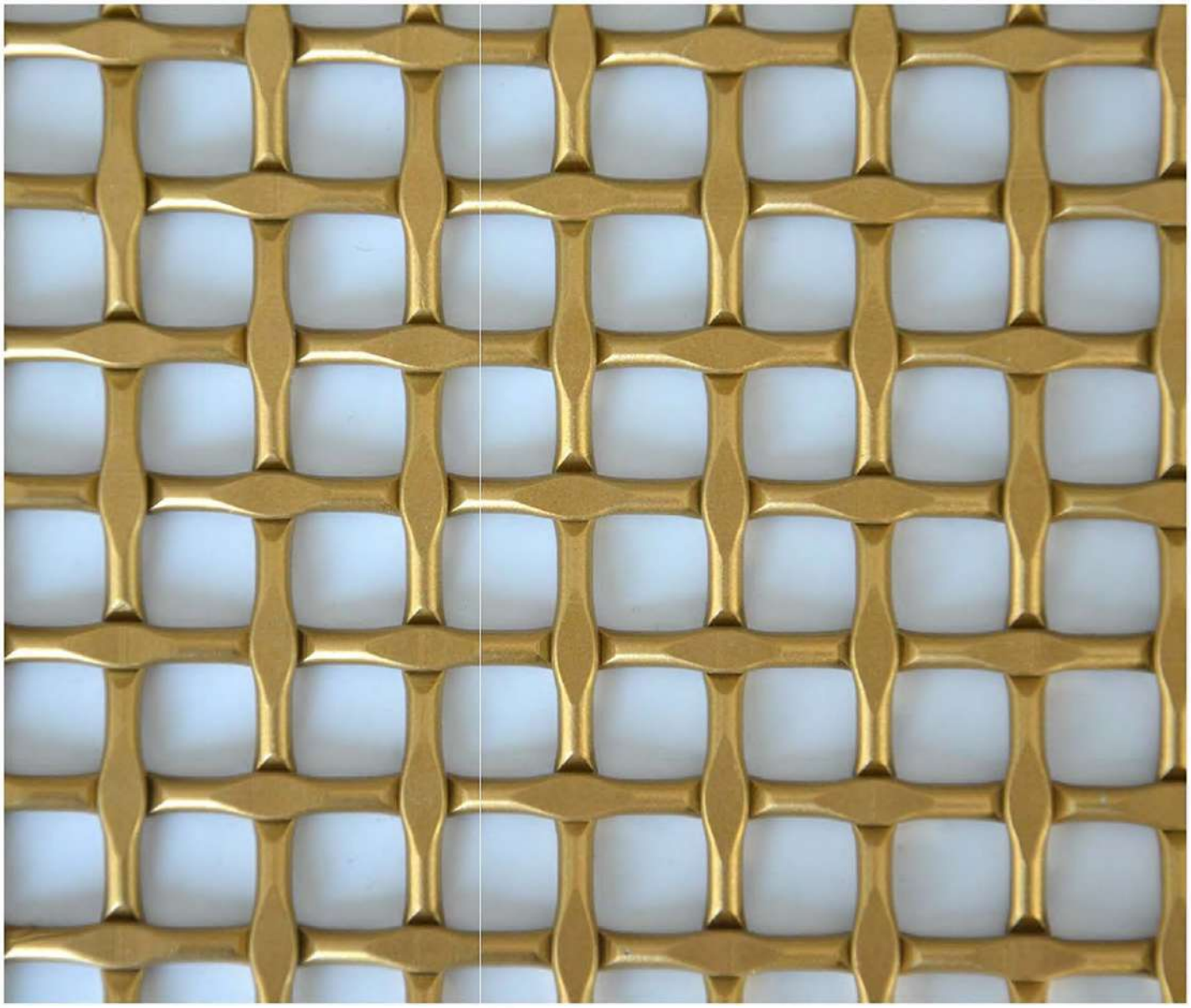
APPLICATIONS

- Hotel
- Shopping Center
- Office
- Concert Hall
- Restaurant
- Family
- Recreation Center
- School
- Theater
- Library
- Hospital

- Open Area: 30%-60%
- Material: Stainless steel wire
- Surface: Antique brass

DWM-12 is a antique brass decorative wire mesh with an opening rate of 30-60%. It is woven from flat stainless steel wire. The antique surface treatment adds nostalgia. This type of mesh is often used as wire mesh inserts for cabinet and door decoration, also used for other architectural decoration. Products can also be customized according to customer needs.

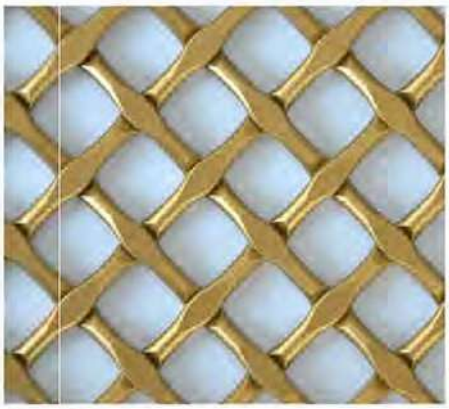
Item No.	Flat Wire Diameter, mm (in)	Mesh Size, mm (in)	Overall Thickness, mm (in)	Open Area, %	Approximate Weight, kg/m2 (lb/ft2)
DWM12-31	1×4 (0.039×0.157)	5 (0.197)	2 (0.079)	31	7.1 (1.45)
DWM12-49-1.5 (Hot)	1.5×3 (0.059×0.118)	7 (0.256)	3 (0.118)	49	7 (1.43)
DWM12-59 (Hot)	1.5×3 (0.059×0.118)	10 (0.394)	3 (0.118)	59	5.6 (1.15)
DWM12-33	1.2×3 (0.047×0.118)	4 (0.157)	2.5 (0.098)	33	8.3 (1.70)
DWM12-49-1.2	1.2×3 (0.047×0.118)	7 (0.256)	2.5 (0.098)	49	5.8 (1.19)
DWM12-25	1×3 (0.039×0.118)	3 (0.118)	2 (0.079)	25	8.3 (1.70)
DWM12-39	1×3 (0.039×0.118)	5 (0.197)	2 (0.079)	39	6.3 (1.29)
DWM12-30	1×2.5 (0.039×0.098)	3 (0.118)	2 (0.079)	30	7.4 (1.52)
DWM12-37	0.8×2.2 (0.031×0.087)	3.4 (0.134)	1.6 (0.063)	37	5 (1.02)
DWM12-42	0.8×2.2 (0.031×0.087)	4 (0.157)	1.6 (0.063)	42	4.6 (0.94)



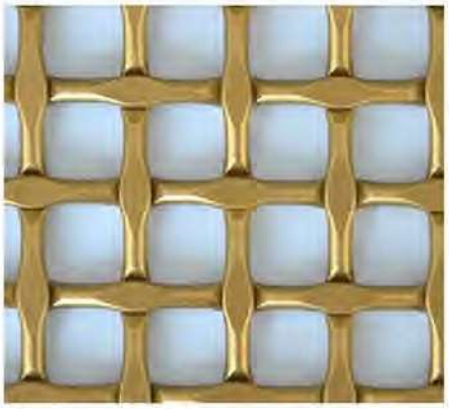
HTAR-32

16+Year's experience for producing decorative and architectural wire mesh
Glad to work with worldwide architects and designers

HTAR-32: GOLDEN COLOR DECORATIVE WIRE MESH



Diamond hole



Square hole

HTAR-32 is an eye-catching golden decorative wire mesh with an opening rate of 60%. It is woven from stainless steel wire and golden color spray-painted on the surface. The process of flattening at each intersection increases the visual sense. Products can also be customized according to customer requirements..

SPACE

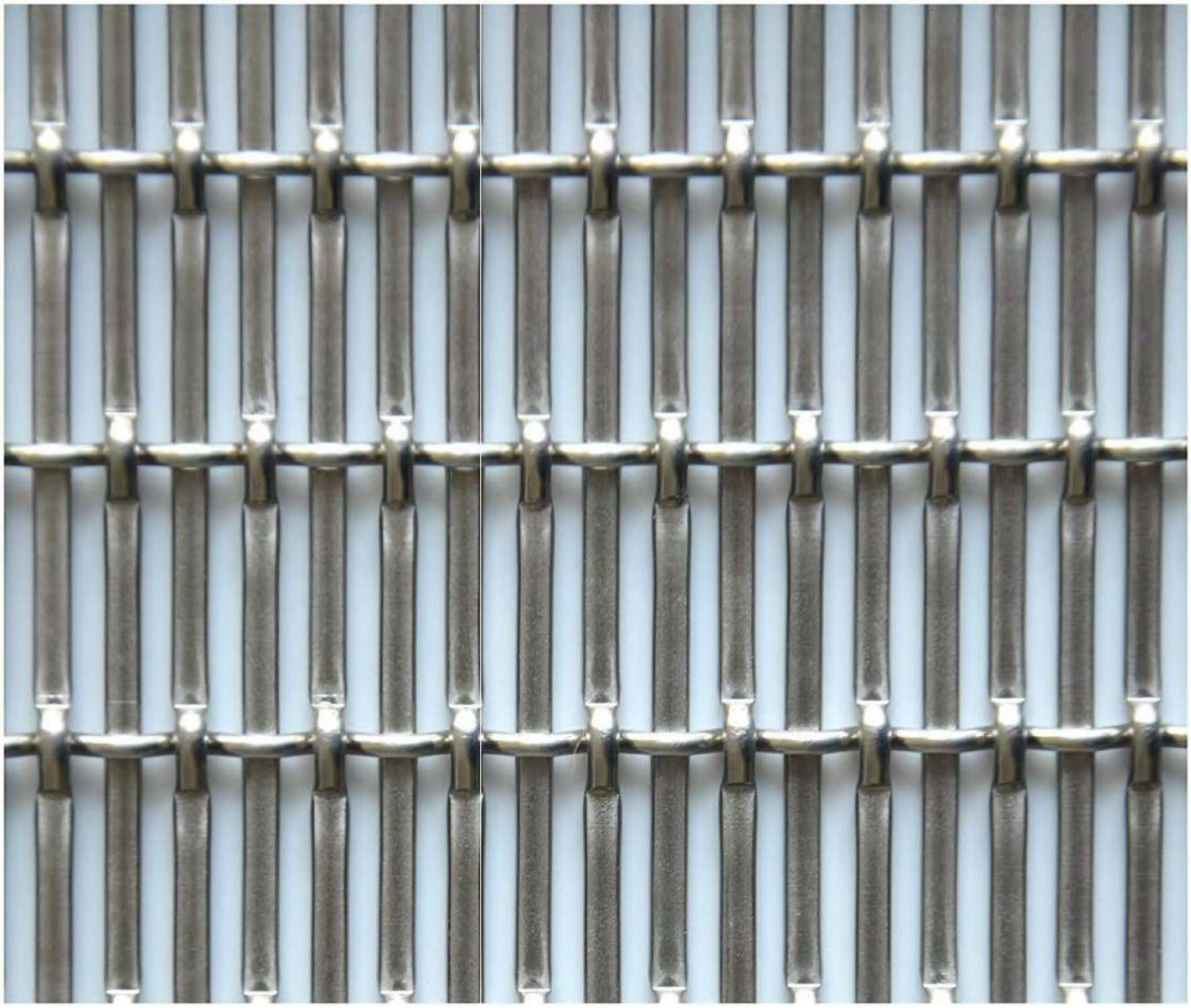
- Partition
- Window
- Interior Design
- Furniture
- Wall Covering

APPLICATIONS

- Hotel
- Shopping Center
- Office
- Concert Hall
- Restaurant
- Family
- Recreation Center
- School
- Theater
- Library
- Hospital

SPECIFICATION

Material	Stainless steel
Surface finish	Spray paint
Thickness	3.4mm
Aperture(Hole size)	8.7mm
Width	Max 4m
Length	Unlimited
Type	Panel
Color	Silver, copper, brass, gold, rose gold, black, coffee, bronze, red and etc



HTAR-37

16+Year's experience for producing decorative and architectural wire mesh
Glad to work with worldwide architects and designers

HTAR37: STAINLESS STEEL DECORATIVE WIRE MESH

HTAIR-37 is a stainless steel decorative wire mesh with an opening rate of 30%. The appearance is beautiful and durable. It is versatile and suitable for building exterior walls and interior decoration such as wall covering, space divider, cabinets, doors and windows, etc.

SPECIFICATION

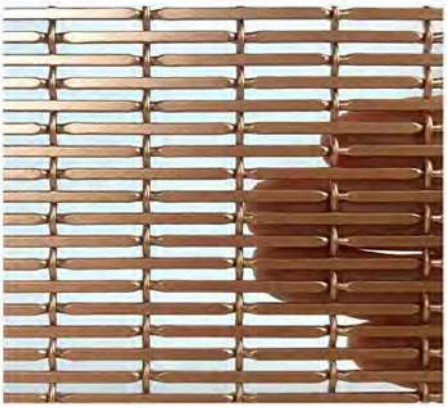
Material	Stainless steel
Surface finish	Spray paint/Original/Titanium plating
Thickness	3.6mm
Aperture(Hole size)	2mm/16mm
Weight	7kgs/sqm
Width	Max 4m
Length	Unlimited
Type	Panel
Color	Original, rose golden, black, white, copper and etc

SPACE

- Partition
- Window
- Interior Design
- Furniture
- Wall Covering

APPLICATIONS

- Hotel
- Shopping Center
- Office
- Concert Hall
- Restaurant
- Family
- Recreation Center
- School
- Theater
- Library
- Hospital



SPACE

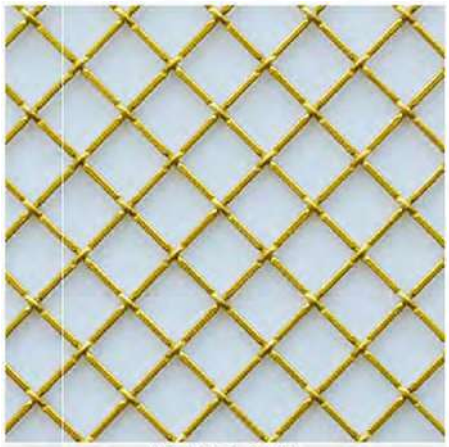
- Partition
- Window
- Interior Design
- Exterior Design
- Wall Covering
- Building Decoration

APPLICATIONS

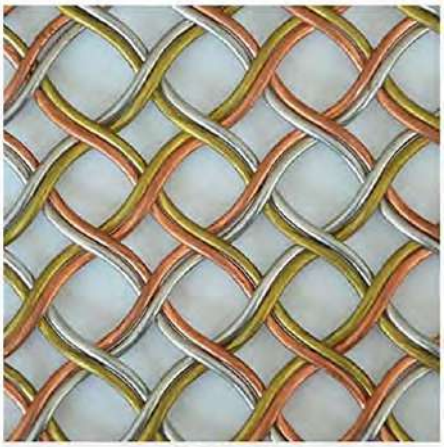
- Cladding
- Partitions
- Balustrades
- Flooring
- Counters
- Furniture
- Signage
- Displays
- Facades
- Privacy sections

MORE PATTERNS

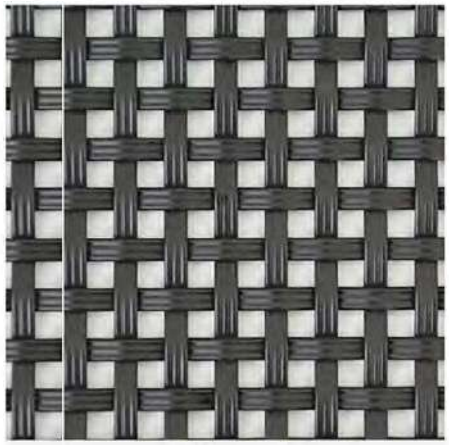
100+ patterns, accept custom designs



HTAR-045



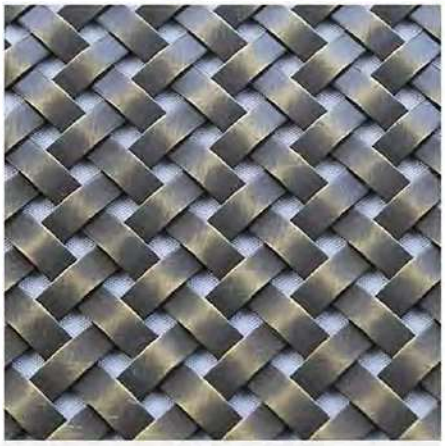
HTAR-2



DWM-23

HTAR-10

HTAR-049



HTAR-08A

SPACE

- Partition
- Window
- Interior Design
- Exterior Design
- Wall Covering
- Building Decoration

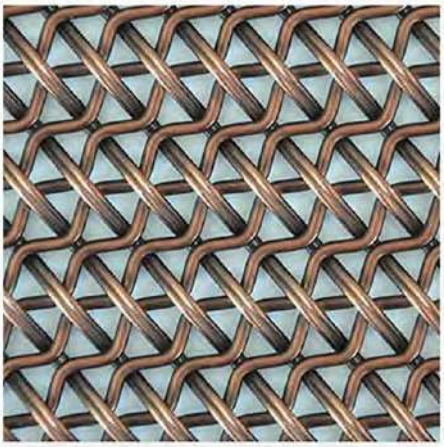
APPLICATIONS

- Cladding
- Partitions
- Balustrades
- Flooring
- Counters
- Furniture
- Signage
- Displays
- Facades
- Privacy sections

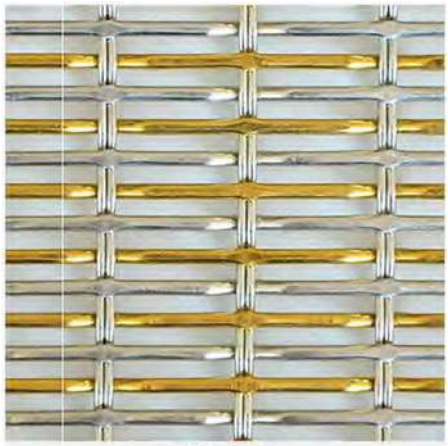
MORE PATTERNS

100+ patterns, accept custom designs

HTAR-14A

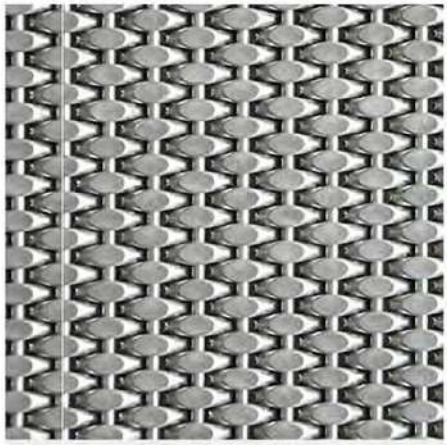


HTAR-004



DWM-31

DWM-15



HTAR16-SS

HTAR-01

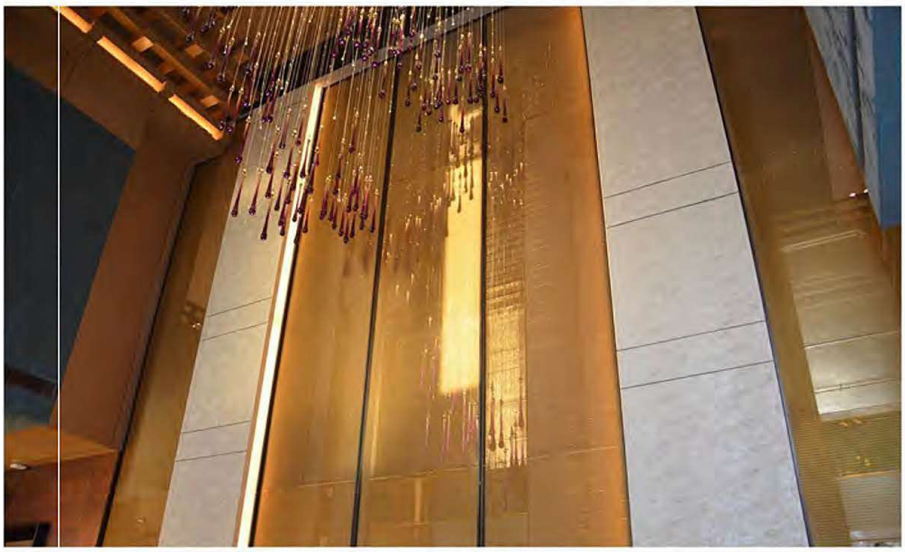
APPLICATIONS

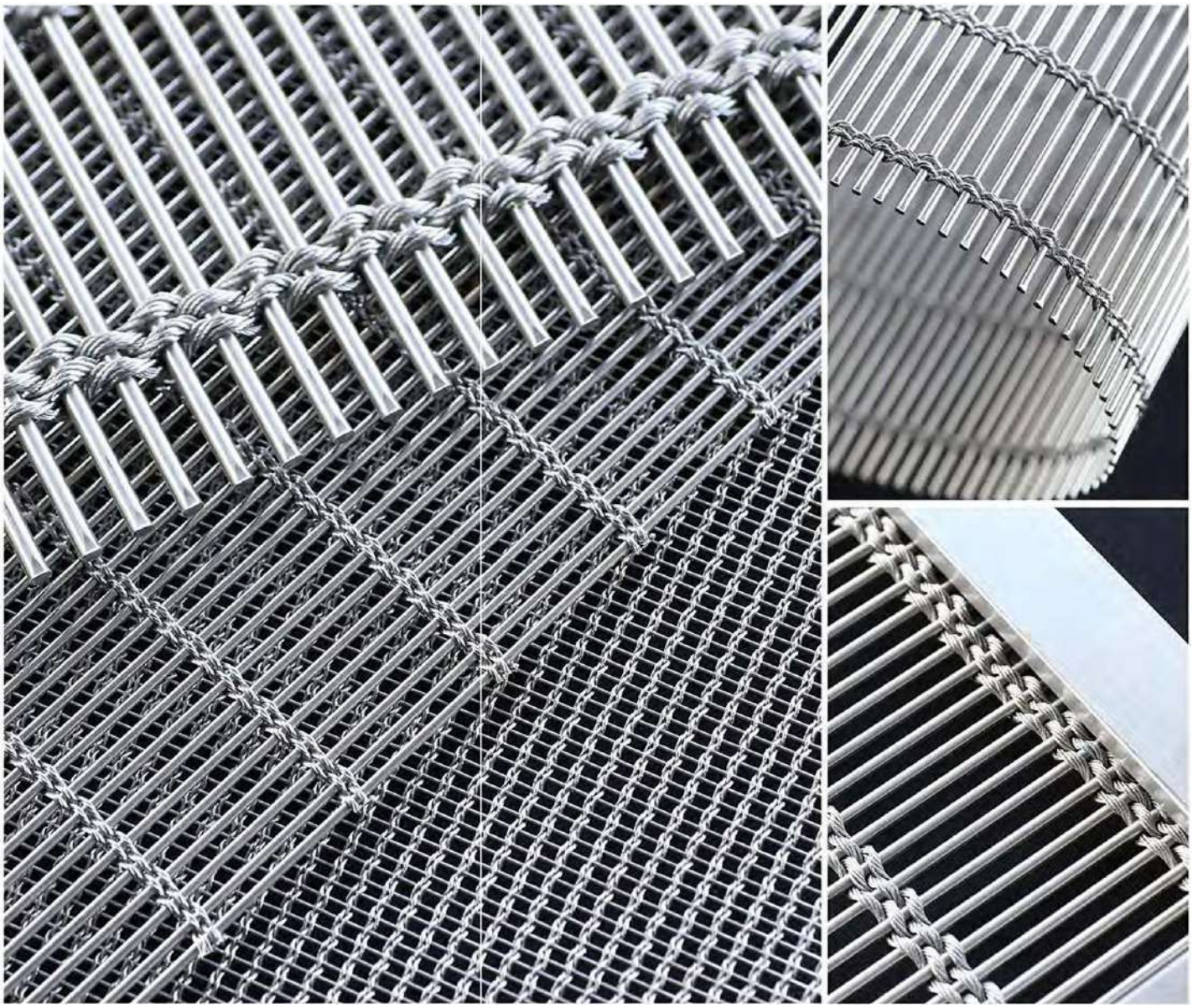
SPACE

- Partition
- Window
- Interior Design
- Furniture
- Wall Covering

APPLICATIONS

- Hotel
- Shopping Center
- Office
- Concert Hall
- Restaurant
- Family
- Recreation Center
- School
- Theater
- Library
- Hospital





H-Type Architectural Woven Drapery

16+Year's experience for producing decorative and architectural wire mesh
Glad to work with worldwide architects and designers

H-Type Architectural Woven Drapery

Combined with single or multiple cable wire and straight rod, the H-Type architectural woven drapery has both flexibility and stability. The H-Type architectural woven drapery is widely used in large facades and wall cladding installations. It is also popular for interior design, such as spacing dividers, staircases isolation screens, furniture, etc.

SPACE

- Partition
- Window
- Interior Design
- Furniture
- Wall Covering

APPLICATIONS

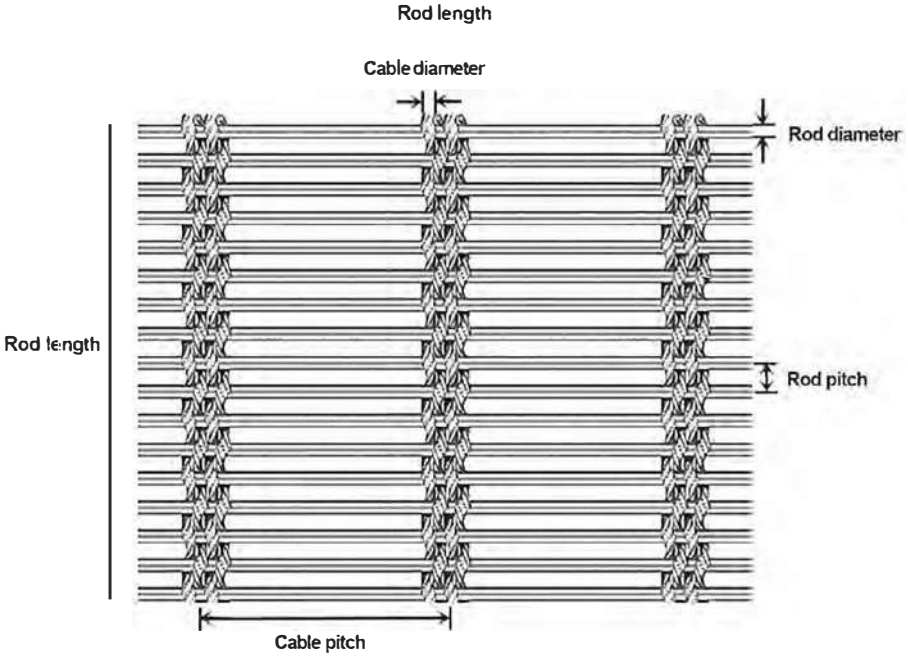
- Hotel
- Shopping Center
- Office
- Concert Hall
- Restaurant
- Family
- Recreation Center
- School
- Theater
- Library
- Hospital

Features

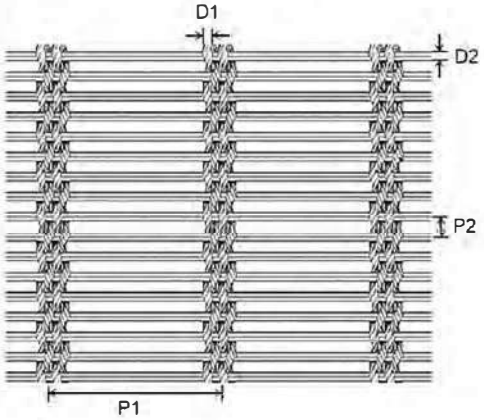
- Strong, durable and flexible construction
- Ventilation, light transmission and sound absorption
- Fire protection not flammable
- Easy to install and clean
- Elegant, upscale and unique style
- Fashion and versatility
- Various openings and sizes

SPECIFICATION

Material	Stainless steel, Aluminum, Brass, Copper, etc
Surface finish	Primary color/Electroplated copper, titanium/Powder coated
Wire diameter	0.8mm, 1.0mm, 1.2mm, 1.3mm and etc
Aperture(Hole size)	4mm, 5mm, 6mm, 7mm, 8mm and etc
Rod Length	Max 6m
Rope Length	Max 60m
Color	Silver, copper, brass, gold, champagne gold, black



H-Type Cable and Rod Combination Mesh Specification



When odering, please specify:

1. Weave Type
2. Wire Diameter (D1 x D2)
3. Hole Size (P1 x P2)
4. Roll Width (RW)
5. Roll Length (RL)

SPACE

- Partition
- Window
- Interior Design
- Furniture
- Wall Covering

APPLICATIONS

- Hotel
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- Office
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- Restaurant
- Family
- Recreation Center
- School
- Theater
- Library
- Hospital

Features

- Strong, durable and flexible construction
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- Fire protection, not flammable
- Easy to install and clean
- Elegant, upscale and unique style
- Fashion and versatility

Various openings and sizes

Technical Parameter

Items	Cables		Rods		Open Area		Weight Kgs/m2	
	Nos. x D1 (mm)	P1 (mm)	D2 (mm)	P2 (mm)	mm	%	Stainless Steel	Copper
1	3 x 3.0	110.0	4.0	14.5	5 100.0 x 10.5	66	8.60	9.72
2	3 x 4.0	112.0	4.0	8.0	100.0 x 4.0	46	12.60	15.37
3	3 x 2.0	80.0	3.0	20.0	74.0 x 17.0	78	5.40	6.10
4	3 x 2.0	80.0	3.0	10.0	74.0 x 7.0	78	6.65	7.51
5	3 X 2.2	80.0	2.5	10.0	73.6 x 7.0	64	7.00	7.91
6	3 x 1.6	72.0	2.0	10.0	75.2 x 7.5	70	4.58	5.18
7	4 x 1.0	50.0	3.0	7.0	68.0 x 5.0	67	3.98	4.50
8	4 x 2.0	40.0	4.0	6.0	42.0 x 3.0	42	11.2	12.66
9	2 x 2.75	36.0	2.0	14.5	34.5 x 10.5	62	9.40	10.62
10	4 x 1.0	36.0	2.0	6.6	32.0 x 4.6	62	4.55	5.14
11	4 x 1.0	35.0	1.6	4.0	32.0 x 2.0	44	6.89	7.78
12	4 x 0.75	26.4	1.5	3.5	32.0 x 2.0	50	4.80	5.42
13	4 x 0.75	13.5	1.5	3.0	23.4 x 1.5	44	5.20	5.88
14	4 x 0.75	7.5	2.0	3.5	21.5 x 2.0	50	4.30	4.86
15	2 x 2.75	6.6	2.5	10	0 8.0 x 8.0	47	7.65	8.64
16	1 X 1.75	6.0	2.0	8.2	5.75 x 5.7	53	6.85	7.74
17	1 X 2.6	6.0	2.0	7.5	4.2 x 5.5	45	6.60	7.46
18	1 x 2.5	6.0	2.0	8.0	0 3.5 x 6.0	43	7.87	8.89
19	1 x 2.4	5.0	3.0	6.0	3.6 x 4.0	40	8.90	10.06
20	1 x 2.4	5.0	3.0	6.0	0 3.6 x 3.0	30	14.60	16.50
21	1 x 3.0	5.0	3.0	10.0	0 2.0 x 7.0	28	14.80	16.72
22	1 x 1.8	4.0	1.5	5.5	2.2 x 4.0	40	7.74	8.75
23	3 X 0.45	3.5	0.5	1.6	6 2.25 x 1.1	43	2.10	2.37
24	1 x 1.8	3.0	2.0	5.0	0 1.2 x 3.0	24	9.97	11.27

INSTALLATION

SPACE

- Partition
- Window
- Interior Design
- Furniture
- Wall Covering

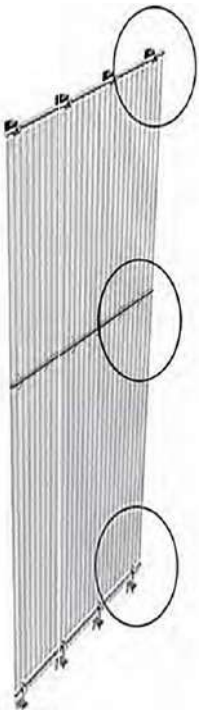
APPLICATIONS

- Hotel
- Shopping Center
- Office
- Concert Hall
- Restaurant
- Family
- Recreation Center
- School
- Theater
- Library
- Hospital

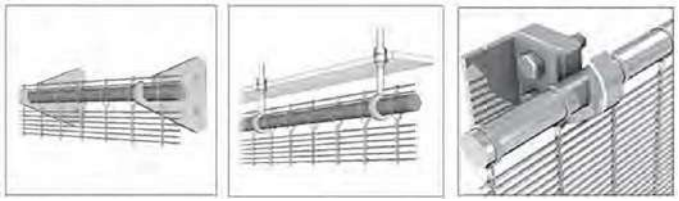
Features

- Strong, durable and flexible construction
- Ventilation, light transmission and sound absorption
- Fire protection, not flammable
- Easy to install and clean
- Elegant, upscale and unique style
- Fashion and versatility

Various openings and sizes

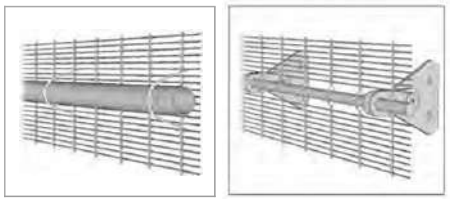


Top



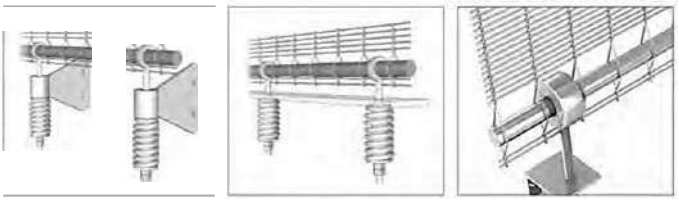
A B C

Middle



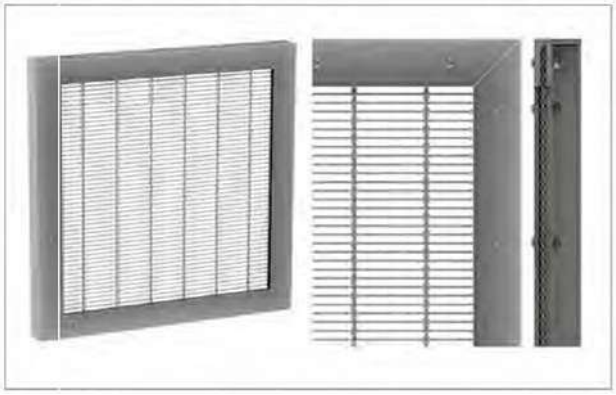
A B

Bottom



A B C

Install with Frame



APPLICATIONS

SPACE

- Partition
- Window
- Interior Design
- Furniture
- Wall Covering

APPLICATIONS

- Hotel
- Shopping Center
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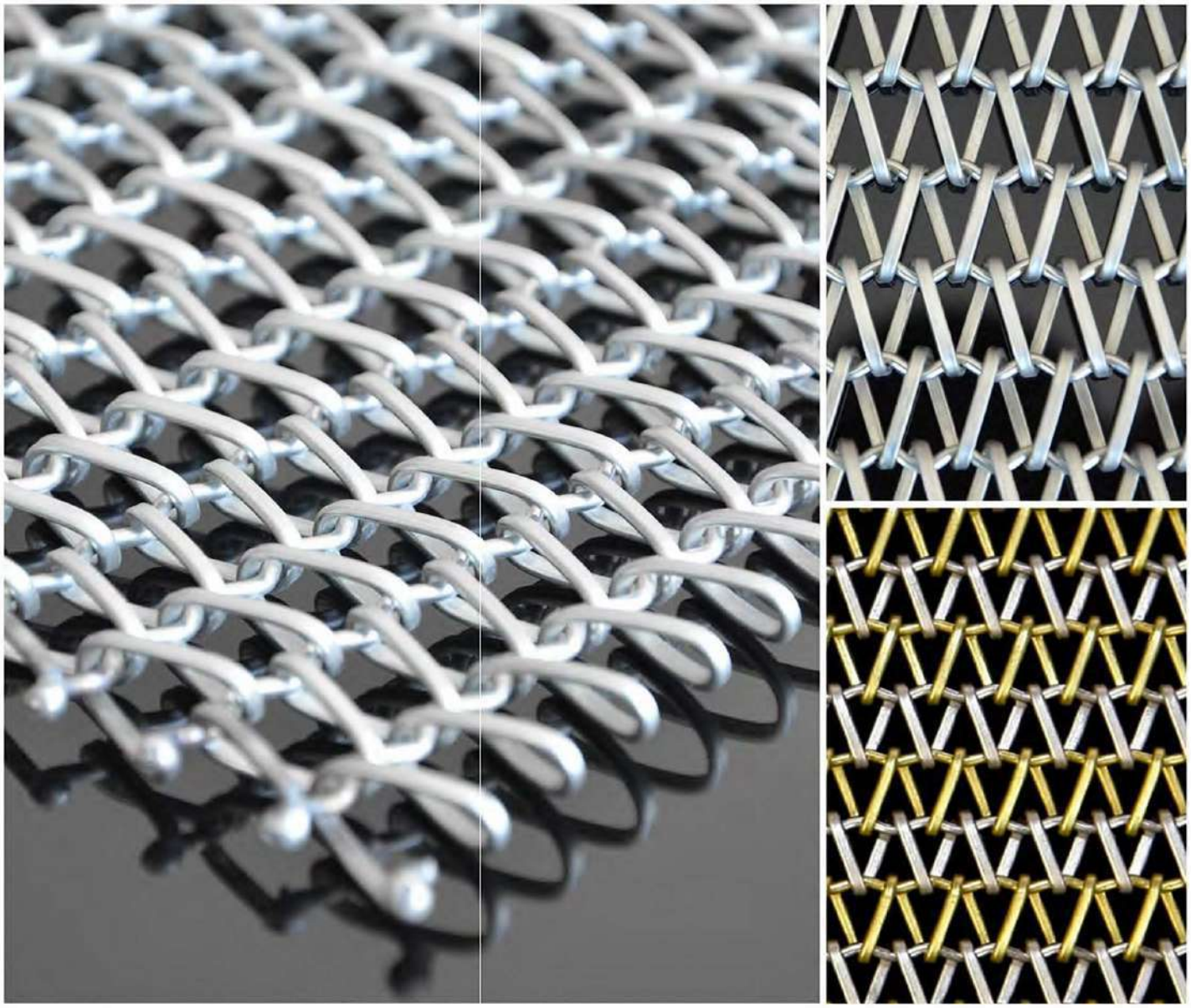


Architectural Spiral Wire Mesh

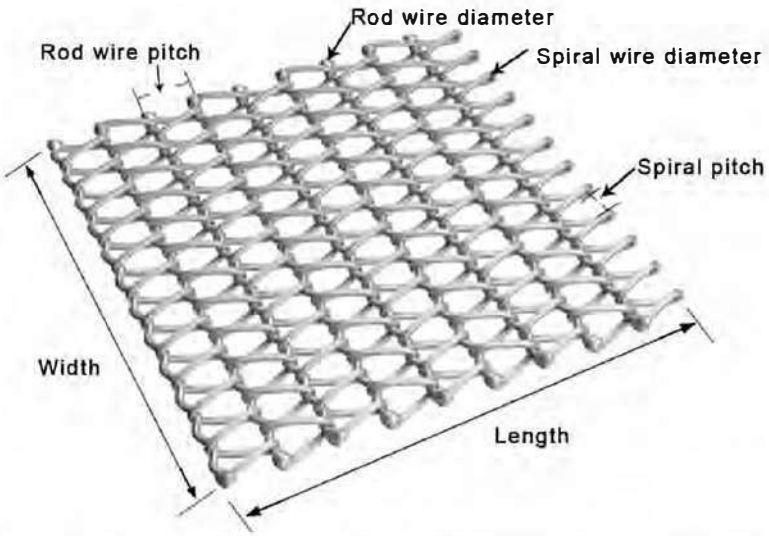
16+Year's experience for producing decorative and architectural wire mesh
Glad to work with worldwide architects and designers

Architectural Spiral Wire Mesh

Spiral weave mesh,also called balanced weave belt, architectural conveyor belt, is composed of rods in horizon and bend wires in vertical. The rods can be straight or bent. It was originally used in industry, mainly for the transportation of raw materials or products on the assembly
line. Later, because of the beautiful pattern, exquisite workmanship, and other characteristics, it has been gradually accepted and approved by designers in the architecture system.Spiral wire mesh is widely used in architectural decoration, such as window&door curtains, exterior wall decoration, ceiling decoration, store partition, etc.

SPECIFICATION:

Material:stainless steel, carbon steel, brass, copper, other metal alloys.
Spiral wire mesh: Round or Flat
Spiral wire diameter: 1.2mm-10mm
Spiral wire pitch: 3mm-38mm
Rod Type: straight or bent
Rod diameter: 1.3mm-5mm
Rod pitch: 13mm-64.5mm
Surface treatment: Metal Original color, Titanium Coated, etc.
85% of customers choose Metal Original color
15% customer choose others



Normal Mesh Thickness(mm)	Spiral Pitch (mm)	Spiral Wire Dia. (mm)	Rod Wire Pitch (mm)	Rod Wire Dia. (mm)
7.7	16.94	1.63	19.05	1.63
8.9	16.94	2.03	19.05	2.03
7.3	10.16	1.43	12.7	1.42
6.7	10.16	1.63	12.7	1.63
6	7.26	1.22	8.47	1.22
6	7.26	1.42	8.47	1.42
6.4	7.26	1.63	8.47	1.63
6.1	6.35	1.42	6.35	1.42
6.4	6.35	1.63	6.36	1.63
4	5.08	0.91	6.35	1.22
5.2	5.08	1.22	6.36	1.22
5.6	5.08	1.22	5.08	1.22

Features

- Good resistance to corrosion, wear.
- resistance.
- High temperature resistance.
- Anti-oxidation and anti-fracture characteristics.
- Made of stainless steel wire, durable and long lasting.
- Reasonable design, easy to install.
- Strong enough, fashionable elements as facade cladding.

APPLICATIONS

- Facade cladding
- Instance exhibition hall
- Hotels
- Office building
- Conveyor belt facade

INSTALLATION

Features

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- resistance.
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- Instance exhibition hall
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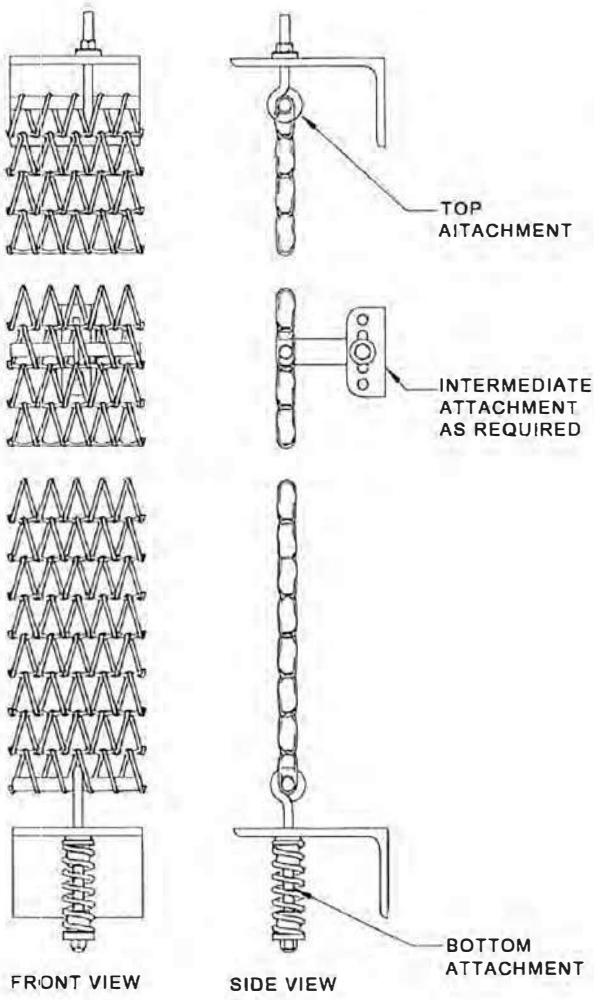
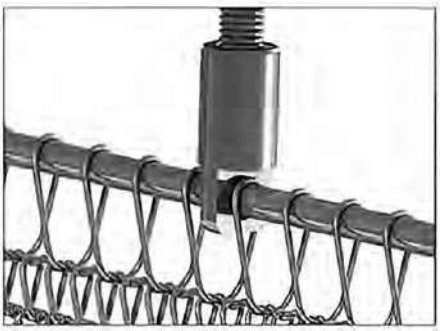
- Conveyor belt facade





APPLICATIONS

Features

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APPLICATIONS

- Facade cladding
- Instance exhibition hall
- Hotels
- Office building
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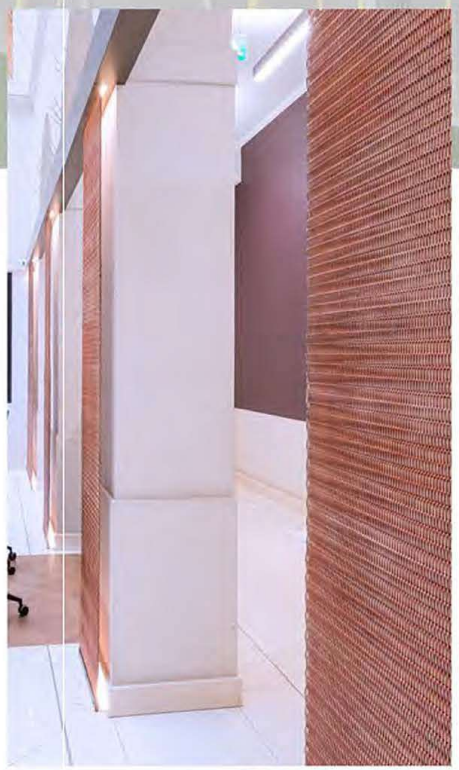
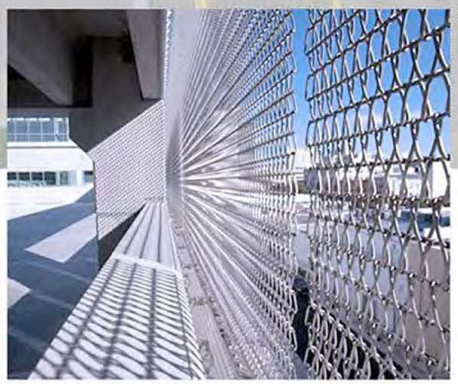
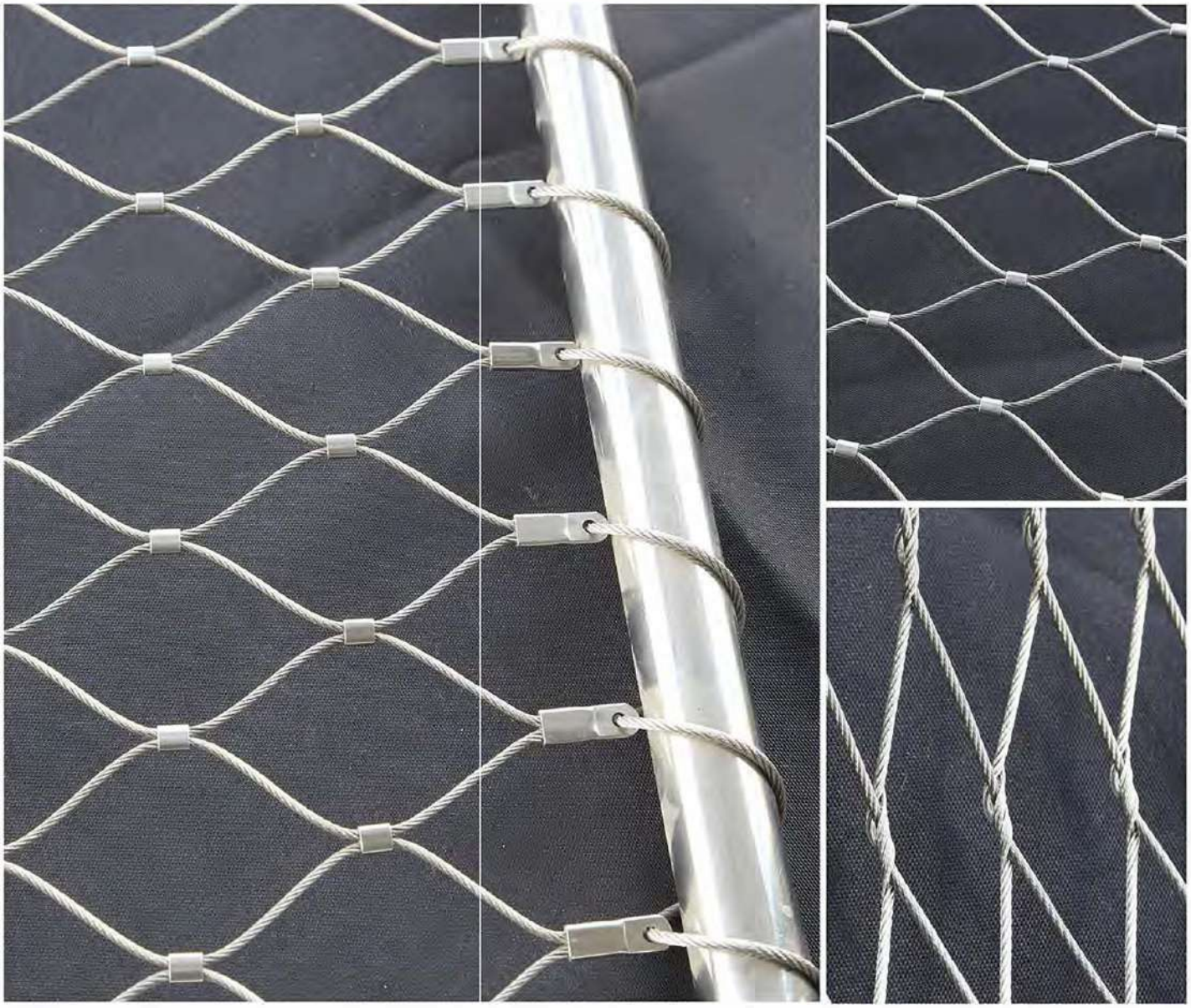






Stainless Steel Rope Mesh

16+Year's experience for producing decorative and architectural wire mesh
Glad to work with worldwide architects and designers

Stainless Steel Rope Mesh

Stainless steel rope mesh is called stainless steel cable mesh, zoo mesh, protective mesh, etc. It has a unique decorative style and more strong security. The diamond hole pattern makes the mesh strong and flexible. Different opening sizes can be customized to meet the different needs of customers. Widely used for interior staircase decoration, railing, suspension bridge, zoo protective, etc.

SPACE

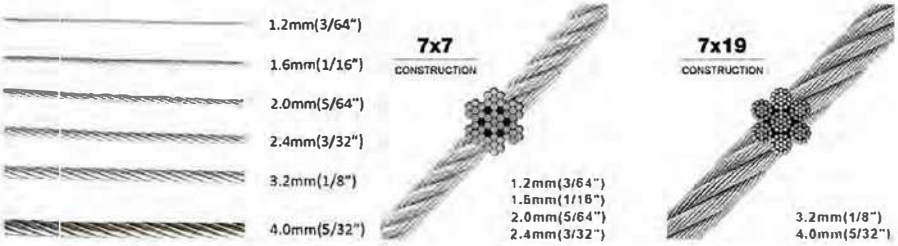
- Zoo
- Window
- Interior Design
- Building
- Wall Covering

APPLICATIONS

- Bird Aviary Mesh
- Zoo Animals Mesh
- Rope Mesh Railing
- Green Wall
- Security Mesh
- Helideck Mesh
- Building Facade
- Decorative Rope Mesh

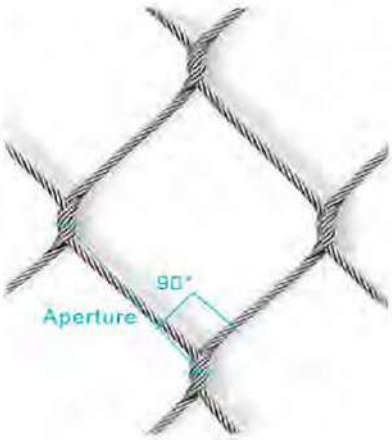
Stainless steel material standard: Chemical Composition(%)

SteelGrade	C	S	Mn	P	S	Cr	Ni	Mo
304	≤0.08	≤1.00	≤2.0	≤0.045	≤0.030	18.0-20.0	8.0-12.0	
304L	≤0.03	≤1.00	≤2.0	≤0.045	≤0.030	18.0-20.0	8.0-12.0	
316	≤0.08	≤1.00	≤2.0	≤0.045	≤0.030	16.0-18.0	10.0-14.0	2-3
316L	≤0.03	≤1.00	≤2.0	≤0.045	≤0.030	16.0-18.0	10.0-14.0	2-3

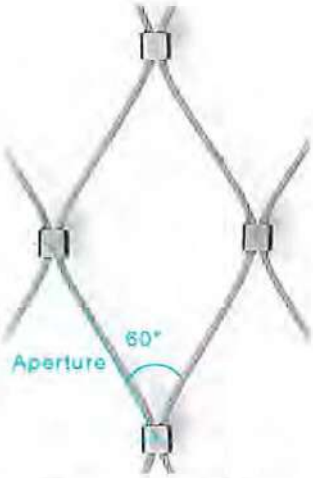


Wire Rope Diameter　　Wire Rope Structure

Rope Mesh Type



Knotted Rope Mesh



Ferrule Rope Mesh

Rope Mesh Specification

Rope Diameter	Aperture	Rope Diameter	Aperture	Unit Weight	Unit Weight	Wire Rope Structure	Tensile Strength	Wire Diameter
1.2(mm)	15 x 15 (mm)	3/64"(Inch)	0.6" x 0.6"(Inch)	0.92(kg/m²)	0.085(kg/sq.ft)	7 x 7	2030(Mpa)	0.135(mm)
1.2(mm)	20 x 20 (mm)	3/64"(Inch)	0.8" x 0.8"(Inch)	0.7(kg/m²)	0.065(kg/sq.ft)	7 x 7	2030(Mpa)	0.135(mm)
1.2(mm)	25.4 x 25.4 (mm)	3/64"(Inch)	1" x 1"(Inch)	0.53(kg/m²)	0.049(kg/sq.ft)	7 x 7	2030(Mpa)	0.135 (mm)
1.2(mm)	30 x 30 (mm)	3/64"(Inch)	1.2" x 1.2"(Inch)	0.45(kg/m²)	0.042(kg/sq.ft)	7 x 7	2030(Mpa)	0.135 (mm)
1.2(mm)	38 x 38 (mm)	3/64"(Inch)	1.5" x 1.5"(Inch)	0.37(kg/m²)	0.034(kg/sq.ft)	7 x 7	2030(Mpa)	0.135 (mm)
1.2(mm)	51 x 51 (mm)	3/64"(Inch)	2" x 2"(Inch)	0.26(kg/m²)	0.024(kg/sq.ft)	7 x 7	2030(Mpa)	0.135 (mm)
1.2(mm)	60 x 60 (mm)	3/64"(Inch)	2.4" x 2.4"(Inch)	0.23(kg/m²)	0.021(kg/sq.ft)	7 x 7	2030(Mpa)	0.135(mm)
1.2(mm)	76 x 76 (mm)	3/64"(Inch)	3" x 3"(Inch)	0.19(kg/m²)	0.018(kg/sq.ft)	7 x 7	2030(Mpa)	0.135(mm)
1.2(mm)	90 x 90(mm)	3/64"(Inch)	3.6" x 3.6"(Inch)	0.17(kg/m²)	0.016(kg/sq.ft)	7 x 7	2030(Mpa)	0.135(mm)
1.2(mm)	102 x 102(mm)	3/64"(Inch)	4" x 4"(Inch)	0.15(kg/m²)	0.014(kg/sq.ft)	7 x 7	2030(Mpa)	0.135 (mm)
1.6(mm)	25.4 x 25.4 (mm)	1/16"(Inch)	1" x 1"(Inch)	1(kg/m²)	0.093(kg/sq.ft)	7 x 7	2300(Mpa)	0.17(mm)
1.6(mm)	30 x 30(mm)	1/16"(Inch)	1.2" x 1.2"(Inch)	0.9(kg/m²)	0.084(kg/sq.ft)	7 x 7	2300(Mpa)	0.17(mm)
1.6(mm)	38 x 38(mm)	1/16"(Inch)	1.5" x 1.5"(Inch)	0.64(kg/m²)	0.059(kg/sq.ft)	7 x 7	2300(Mpa)	0.17(mm)
1.6(mm)	51 x 51 (mm)	1/16"(Inch)	2" x 2"(Inch)	0.5(kg/m²)	0.046(kg/sq.ft)	7 x 7	2300(Mpa)	0.17 (mm)
1.6(mm)	60 x 60(mm)	1/16"(Inch)	2.4" x 2.4"(Inch)	0.45(kg/m²)	0.042(kg/sq.ft)	7 x 7	2300(Mpa)	0.17 (mm)
1.6(mm)	76 x 76(mm)	1/16"(Inch)	3" x 3"(Inch)	0.37(kg/m²)	0.034(kg/sq.ft)	7 x 7	2300(Mpa)	0.17 (mm)
1.6(mm)	90 x 90(mm)	1/16"(Inch)	3.6" x 3.6"(Inch)	0.32(kg/m²)	0.03(kg/sq.ft)	7 x 7	2300(Mpa)	0.17 (mm)
1.6(mm)	102 x 102(mm)	1/16"(Inch)	4" x 4"(Inch)	0.24(kg/m²)	0.022(kg/sq.ft)	7 x 7	2300(Mpa)	0.17 (mm)
2(mm)	38 x 38(mm)	5/64"(Inch)	1.5" x 1.5"(Inch)	1.03(kg/m²)	0.096(kg/sq.ft)	7 x 7	2080(Mpa)	0.22(mm)
2(mm)	51 x 51(mm)	5/64"(Inch)	2" x 2"(Inch)	0.76(kg/m²)	0.071(kg/sq.ft)	7 x 7	2080(Mpa)	0.22 (mm)
2(mm)	60 x 60(mm)	5/64"(Inch)	2.4" x 2.4"(Inch)	0.65(kg/m²)	0.06(kg/sq.ft)	7 x 7	2080(Mpa)	0.22(mm)
2(mm)	76 x 76(mm)	5/64"(Inch)	3" x 3"(Inch)	0.51(kg/m²)	0.047(kg/sq.ft)	7 x 7	2080(Mpa)	0.22 (mm)
2(mm)	90 x 90(mm)	5/64"(Inch)	3.6" x 3.6"(Inch)	0.45(kg/m²)	0.042(kg/sq.ft)	7 x 7	2080(Mpa)	0.22 (mm)
2(mm)	102 x 102(mm)	5/64"(Inch)	4" x 4"(Inch)	0.4(kg/m²)	0.037(kg/sq.ft)	7 x 7	2080(Mpa)	0.22 (mm)
2(mm)	127 x 127(mm)	5/64"(Inch)	5" x 5"(Inch)	0.3(kg/m²)	0.028(kg/sq.ft)	7 x 7	2080(Mpa)	0.22 (mm)
2.4(mm)	51 x 51(mm)	3/32"(Inch)	2" x 2"(Inch)	1.02(kg/m²)	0.095(kg/sq.ft)	7 x 7	1860(Mpa)	0.26 (mm)
2.4(mm)	60 x 60(mm)	3/32"(Inch)	2.4" x 2.4"(Inch)	0.87(kg/m²)	0.081(kg/sq.ft)	7 x 7	1860(Mpa)	0.26 (mm)
2.4(mm)	76 x 76(mm)	3/32"(Inch)	3" x 3"(Inch)	0.72(kg/m²)	0.067(kg/sq.ft)	7 x 7	1860(Mpa)	0.26(mm)
2.4(mm)	90 x 90(mm)	3/32"(Inch)	3.6" x 3.6"(Inch)	0.6(kg/m²)	0.056(kg/sq.ft)	7 x 7	1860(Mpa)	0.26(mm)
2.4(mm)	102 x 102(mm)	3/32"(Inch)	4" x 4"(Inch)	0.54(kg/m²)	0.05(kg/sq.ft)	7 x 7	1860(Mpa)	0.26 (mm)
2.4(mm)	127 x 127(mm)	3/32"(Inch)	5" x 5"(Inch)	0.42(kg/m²)	0.039(kg/sq.ft)	7 x 7	1860(Mpa)	0.26(mm)
2.4(mm)	152 x 152(mm)	3/32"(Inch)	6" x 6"(Inch)	0.35(kg/m²)	0.033(kg/sq.ft)	7 x 7	1860(Mpa)	0.26(mm)
3.2(mm)	51 x 51(mm)	1/8"(Inch)	2" x 2"(Inch)	1.95(kg/m²)	0.181(kg/sq.ft)	7 x 19	1920(Mpa)	0.21 (mm)
3.2(mm)	60 x 60(mm)	1/8"(Inch)	2.4" x 2.4"(Inch)	1.65(kg/m²)	0.153(kg/sq.ft)	7 x 19	1920(Mpa)	0.21 (mm)
3.2(mm)	76 x 76(mm)	1/8"(Inch)	3" x 3"(Inch)	1.28(kg/m²)	0.119(kg/sq.ft)	7 x 19	1920(Mpa)	0.21 (mm)
3.2(mm)	90 x 90(mm)	1/8"(Inch)	3.6" x 3.6"(Inch)	1.1(kg/m²)	0.102(kg/sq.ft)	7 x 19	1920(Mpa)	0.21 (mm)
3.2(mm)	102 x 102(mm)	1/8"(Inch)	4" x 4"(Inch)	0.9(kg/m²)	0.084(kg/sq.ft)	7 x 19	1920(Mpa)	0.21 (mm)
3.2(mm)	127 x 127(mm)	1/8"(Inch)	5" x 5"(Inch)	0.7(kg/m²)	0.065(kg/sq.ft)	7 x 19	1920(Mpa)	0.21 (mm)
3.2(mm)	152 x 152(mm)	1/8"(Inch)	6" x 6"(Inch)	0.61(kg/m²)	0.057(kg/sq.ft)	7 x 19	1920(Mpa)	0.21 (mm)
3.2(mm)	203 x 203(mm)	1/8"(Inch)	8" x 8"(Inch)	0.43(kg/m²)	0.04(kg/sq.ft)	7 x 19	1920(Mpa)	0.21 (mm)
4(mm)	76 x 76(mm)	5/32"(Inch)	3" x 3"(Inch)	1.9(kg/m²)	0.177(kg/sq.ft)	7 x 19	1880(Mpa)	0.24(mm)
4(mm)	90 x 90(mm)	5/32"(Inch)	3.6" x 3.6"(Inch)	1.7(kg/m²)	0.158(kg/sq.ft)	7 x 19	1880(Mpa)	0.24 (mm)
4(mm)	102 x 102(mm)	5/32"(Inch)	4" x 4"(Inch)	1.5(kg/m²)	0.139(kg/sq.ft)	7 x 19	1880(Mpa)	0.24 (mm)
4(mm)	127 x 127(mm)	5/32"(Inch)	5" x 5"(Inch)	1.15(kg/m²)	0.107(kg/sq.ft)	7 x 19	1880(Mpa)	0.24 (mm)
4(mm)	152 x 152(mm)	5/32"(Inch)	6" x 6"(Inch)	1(kg/m²)	0.093(kg/sq.ft)	7 x 19	1880(Mpa)	0.24(mm)
4(mm)	203 x 203(mm)	5/32"(Inch)	8" x 8"(Inch)	0.75(kg/m²)	0.07(kg/sq.ft)	7 x 19	1880(Mpa)	0.24 (mm)

SPACE

- Zoo
- Window
- Interior Design
- Building
- Wall Covering

APPLICATIONS

- Bird Aviary Mesh
- Zoo Animals Mesh
- Rope Mesh Railing
- Green Wall
- Security Mesh
- Helideck Mesh
- Building Facade
- Decorative Rope Mesh

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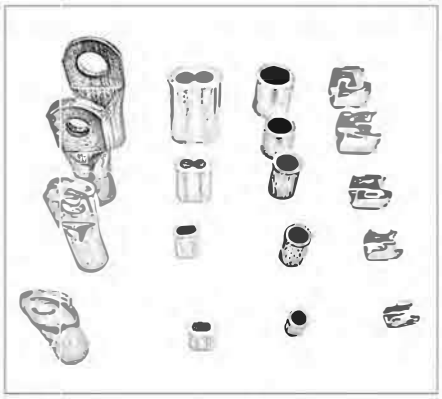
- Zoo Animals Mesh
- Rope Mesh Railing
- Green Wall
- Security Mesh
- Helideck Mesh
- Building Facade
- Decorative Rope Mesh

Common Installation Accessories



Installation accessories ferrules

Stainless steel rope wire

Cable Ties

Tools

Installation Photos:

APPLICATIONS

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- Wall Covering

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- Zoo Animals Mesh
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- Green Wall
- Security Mesh
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- Building Facade
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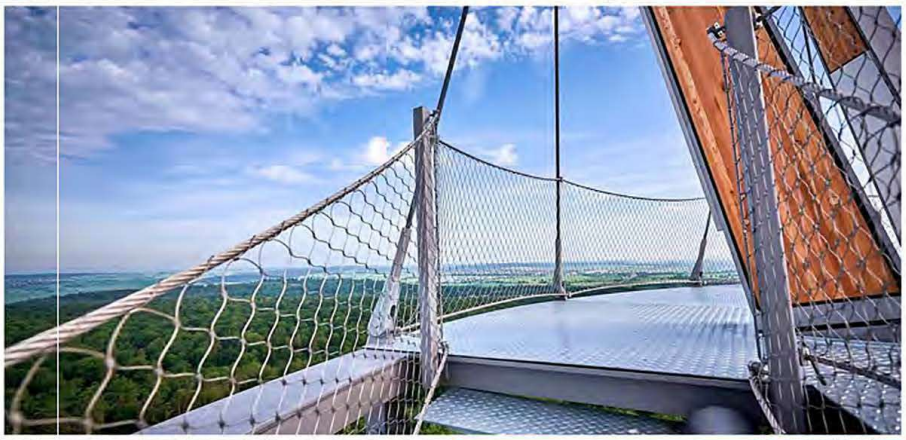
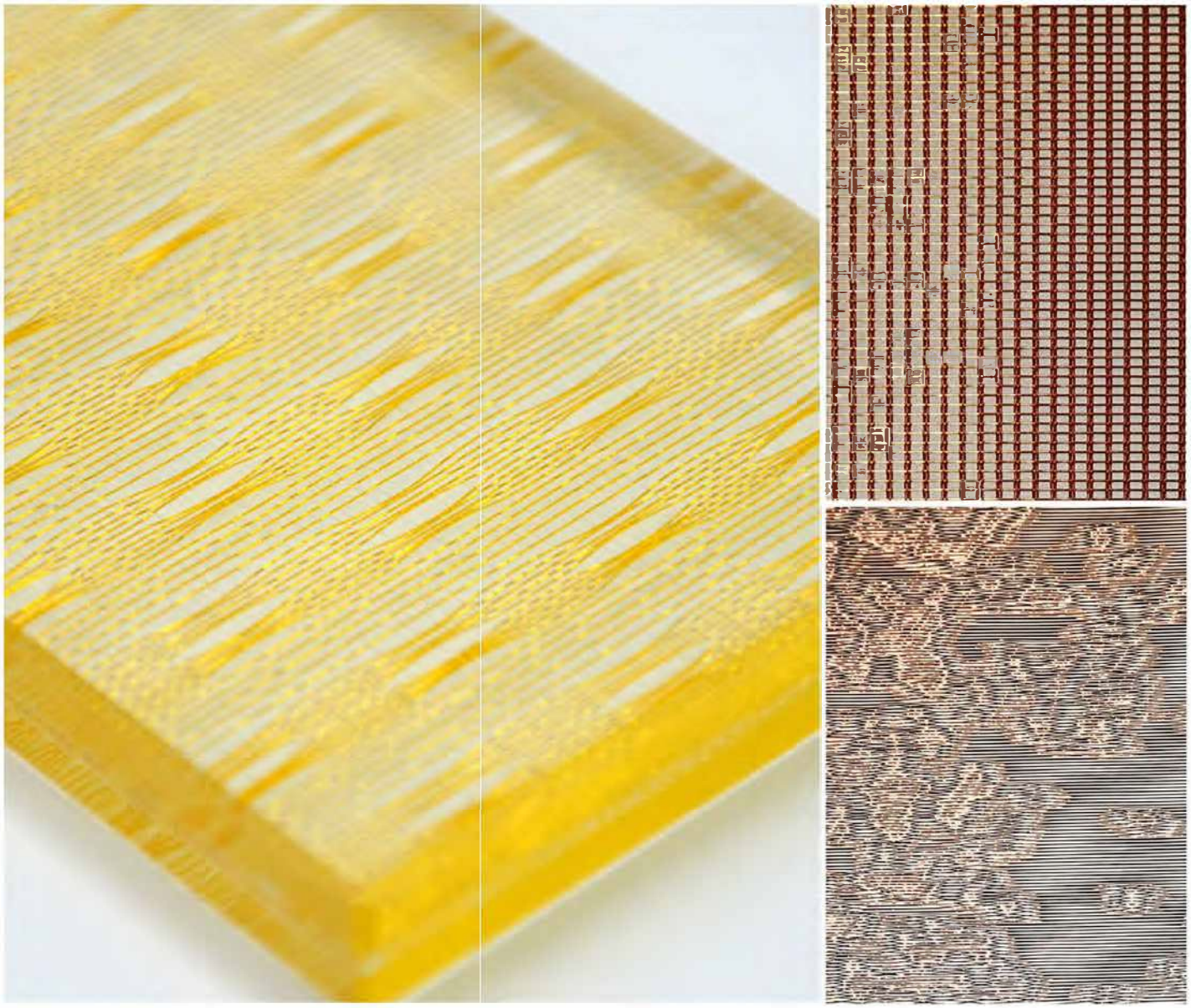




Metal Mesh Laminated Glass

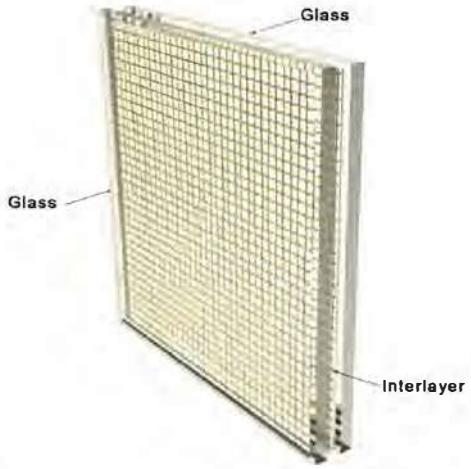
16+Year's experience for producing decorative and architectural wire mesh
Glad to work with worldwide architects and designers

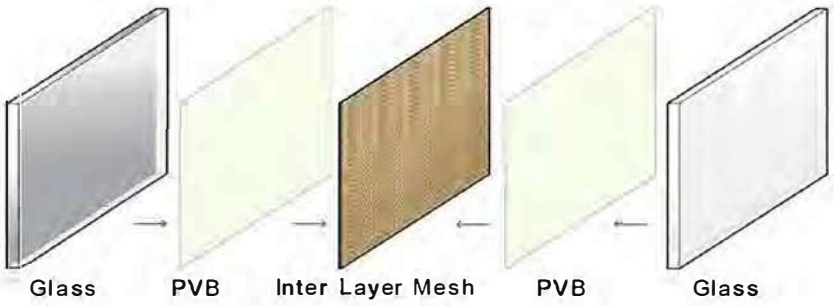
Metal Mesh Laminated Glass

Decorative laminated glass uses a colored inter-layer or embedded decorative materials (metal mesh, woven wire mesh, etc.) in the inter-layer of traditional laminated glass. The metal mesh laminate not only makes the glass have excellent resistance to attack, but also protects people from damage from glass debris. Metal mesh laminated glass is safe and strong, and adds elegance and artistic atmosphere to the windows of the building. Therefore, it has become a stylish and practical decoration material in modern architecture.

Specification:

Metal Mesh Material: silver coated wire/copper wire/brass wire/stainless steel wire/etc
Glass Options: Low Iron Glass (crystal clear) - as standard
Float Glass (Slight green tint)
Mirror Backed
Thickness: 4mm+4mm (nominal overall thickness 10mm)
6mm+6mm (nominal overall thickness 14mm)
As available in a combination of other glass thickness and metal mesh thickness
Max. Panel Size with Glass: 2000mm x 4700mm
Max. Width of Inter-layer metal mesh: 2000mm
Metal Mesh Pattern Design: Standard weaving designs





SPACE

- Partition
- Window
- Interior Design
- Exterior Design
- Wall Covering
- Building Decoration

APPLICATIONS

- Cladding
- Partitions
- Balustrades
- Flooring
- Counters
- Furniture
- Signage
- Displays
- Facades
- Privacy sections

Metal Mesh Laminated Glass Feature

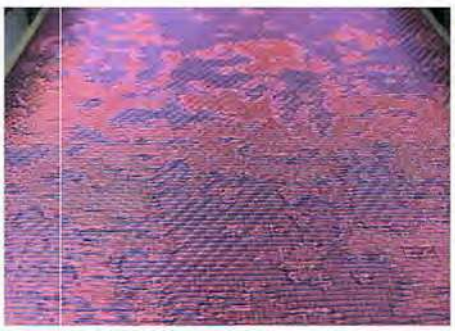
The decorative and aesthetic qualities of the finely woven mesh to thick braidled weaves are preserved with the structural strength and practicality of glass, allowing for innovative design solutions, providing new design ideas for designers.

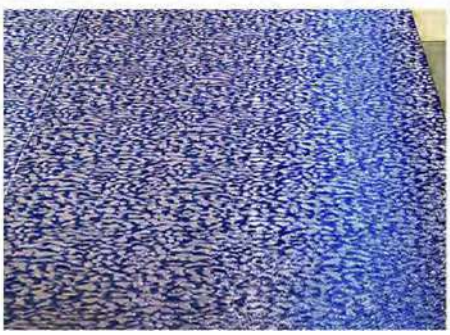
1.High strength: metal mesh laminated glass can resist continuous attacks from hammers, chopping knives and other murderous weapons.
2.Excellent security: Compared with traditional laminated glass, our glass is embedded with metal mesh to make it resistant to attack and shatterproof performance. The inter-layer also prevents the debris from falling off, thus ensuring personal safety.
3.Excellent sound insulation: The laminated glass of the inter-layer can block sound waves and maintain a quiet and comfortable office environment.
4.UV resistance: laminated glass has different materials and opening rates, which can effectively prevent direct sunlight, thereby protecting the aging of valuable furniture and items in the room.
5.Energy saving and environmental protection: reduce the transmission of sunlight and reduce cooling energy consumption.
6.one-way vision privacy effect

View from inside

View from outside

7.Customized colors and patterns: the color can be customized, or the photos can be digitally analyzed and made into wire mesh paintings with weaving technology.





SPACE

- Partition
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- Exterior Design
- Wall Covering
- Building Decoration

APPLICATIONS

- Cladding
- Partitions
- Balustrades
- Flooring
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- Furniture
- Signage
- Displays
- Facades
- Privacy sections

METAL MESH LAMINATED GLASS STANDARD PATTERNS

SPACE

- Partition
- Window
- Interior Design
- Exterior Design
- Wall Covering
- Building Decoration

APPLICATIONS

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- Partitions
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APPLICATIONS

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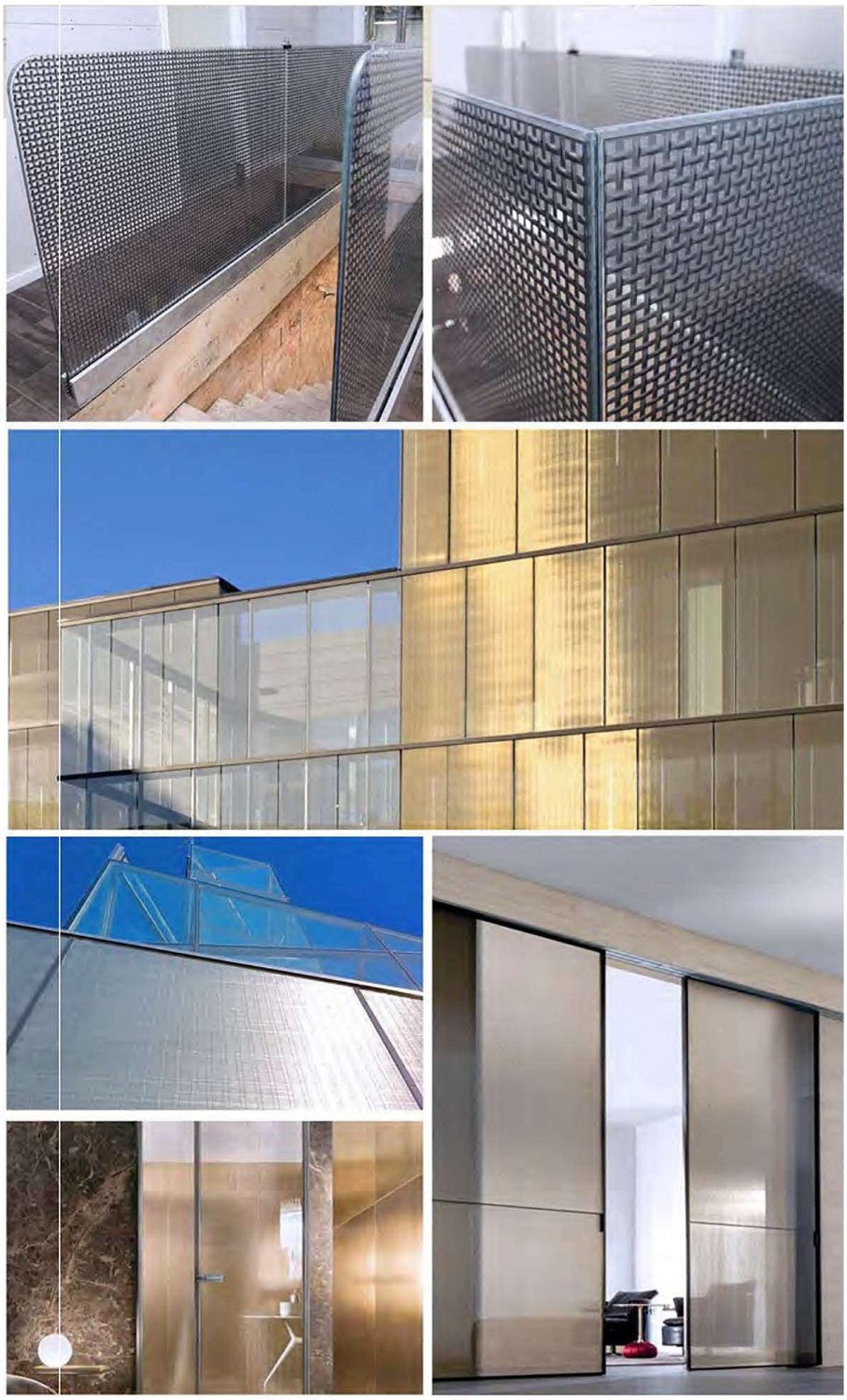
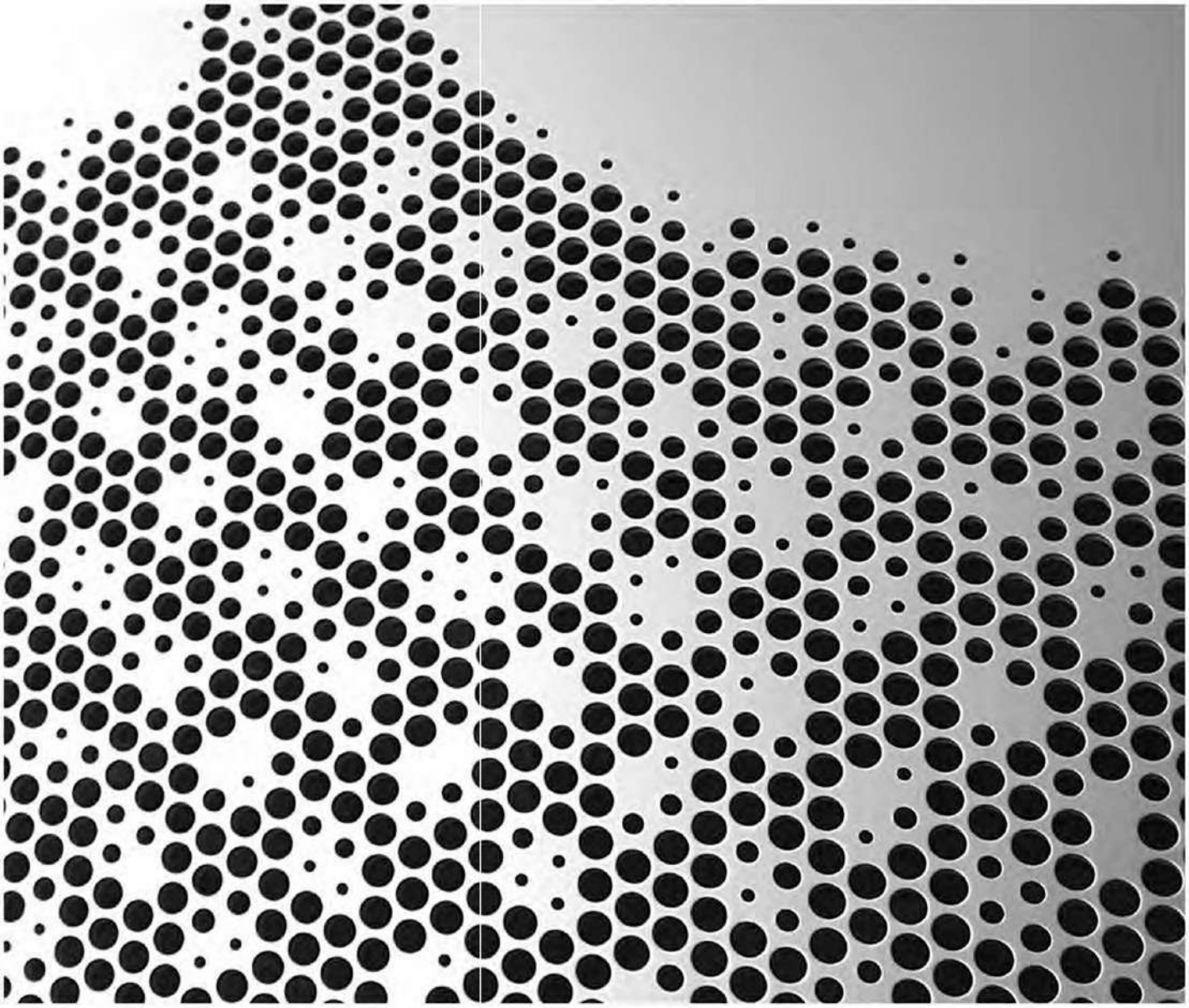




DECORATIVE PERFORATED METAL SHEET

16+Year's experience for producing decorative and architectural wire mesh
Glad to work with worldwide architects and designers

DECORATIVE PERFORATED METAL SHEET

Perforated metal sheet is a multi-purpose product, and has a wide range of applications. can be used for building ceilings, sound-absorbing materials; building stairs, balconies, environmentally friendly tables and chairs, as well as shelf mesh and decorative metal panels for architecture external walls. Hightop offers various decorative perforated metal sheets with different styles.

SPACE

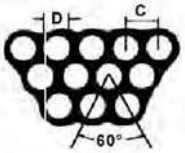
- Partition
- Window
- Interior Design
- Furniture
- Wall Covering

APPLICATIONS

- Hotel
- Shopping Center
- Office
- Concert Hall
- Restaurant
- Family
- Recreation Center
- School
- Theater
- Library
- Hospital

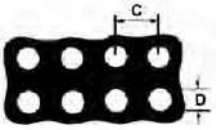
Conventional Punched Patterns

Staggered Round Holes



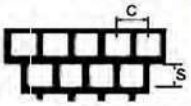
$$\frac{D^2 \times 90.69}{C^2} = \%$$

Straight Round Holes



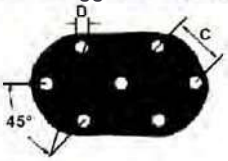
$$\frac{D^2 \times 78.54}{C^2} = \%$$

Square Holes(Straight or Staggered)



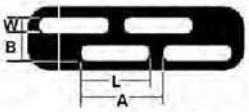
$$\frac{S^2}{C^2} = \%$$

45° Staggered Centers Pattern(Special)



$$\frac{157.08\ D^2}{S^2} = \%$$

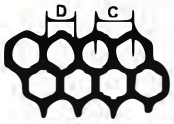
Round End Slots(Staggered)



L=Length of slot
W=Width of slot
A=End center
B=Side center

$$\text{Free Area} = \frac{W(L-.215W)}{AB} \times 100$$

Hexagon



$$\frac{99.9 \times D^2}{C} = \%$$

For hexagon pattern use this holes per square inch calculation:

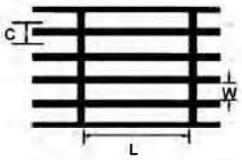
$$\text{H.P.S.I.} = \frac{\%\text{Open Area}}{78.54 \times D^2}$$

Round End Slots(Straight Line)

L=Length of slot
W=Width of slot
A=End center
B=Side center

$$\text{Free Area} = \frac{W(L-.215W)}{AB} \times 100$$

Square End Slot



$$\frac{L \times W}{C^2} \times 100 = \%$$

DECORATIVE PERFORATED METAL SHEET

SPACE

- Partition
- Window
- Interior Design
- Furniture
- Wall Covering

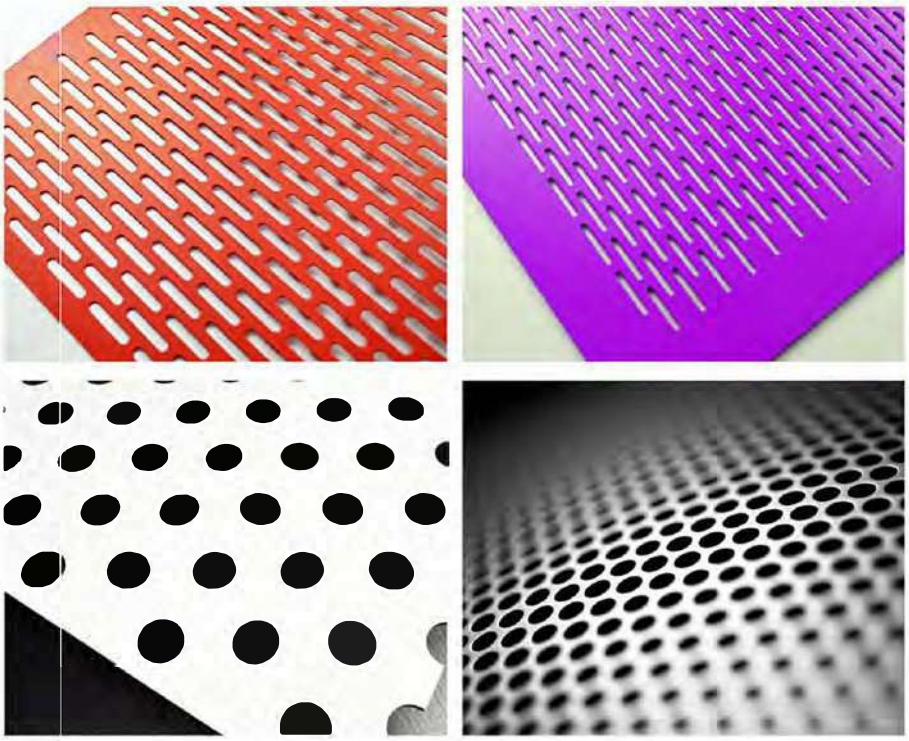
APPLICATIONS

- Hotel
- Shopping Center
- Office
- Concert Hall
- Restaurant
- Family
- Recreation Center
- School
- Theater
- Library
- Hospital

How to order the conventional perforated sheet?

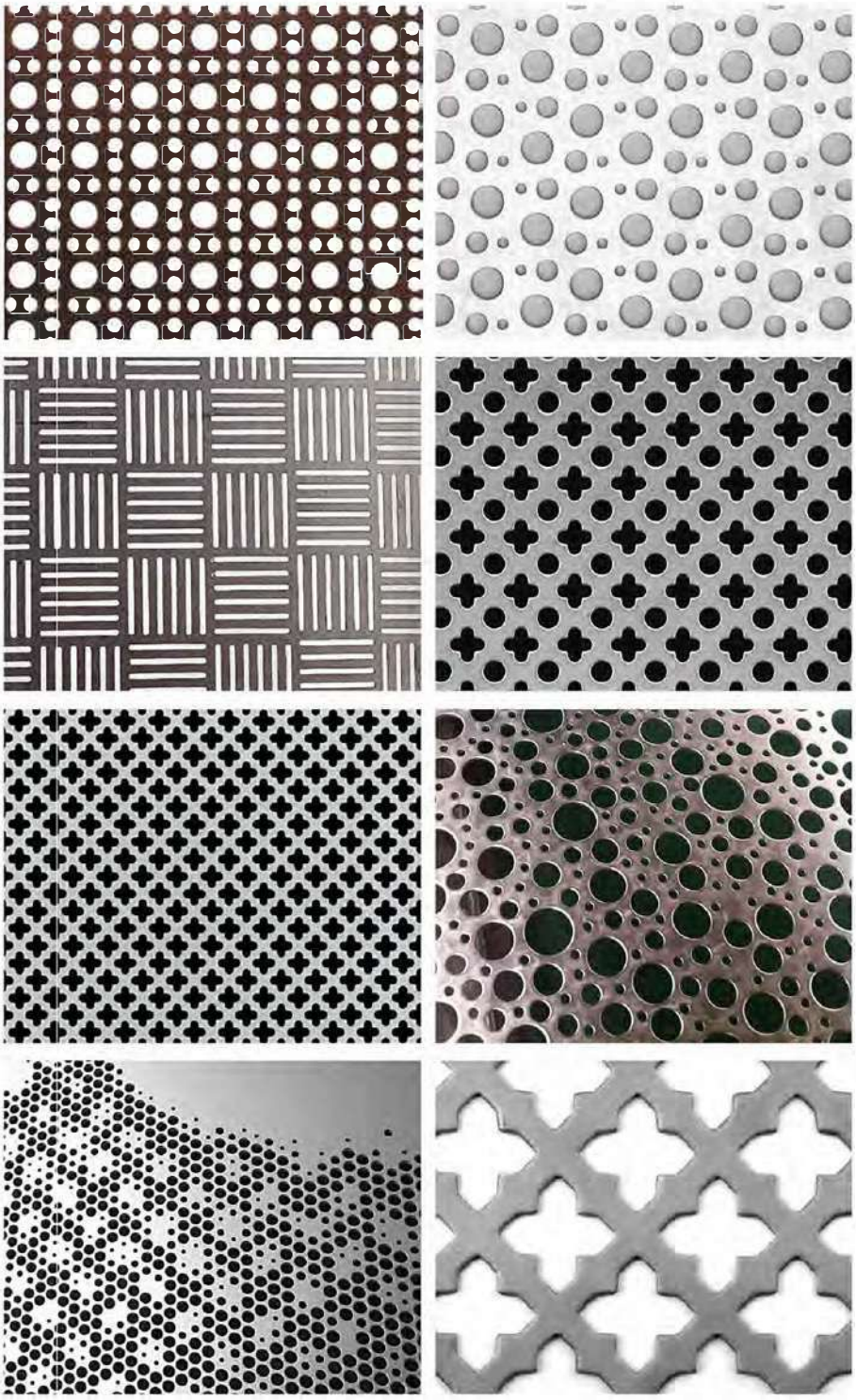
Please let us know the following specifications:

Material type
Surface treatment: Galvanized, polished, powder coated or other treatment
Pattern style: round hole, square hole, slot hole
Hole size
Hole shape
Spacing & configuration
Thickness (gauge)
Perforated sheet size
Quantity



Perforated metal sheets with patterned openings

When ordering the perforated sheet with patterned openings, please kindly send us graphic design drawings for customized patterns.



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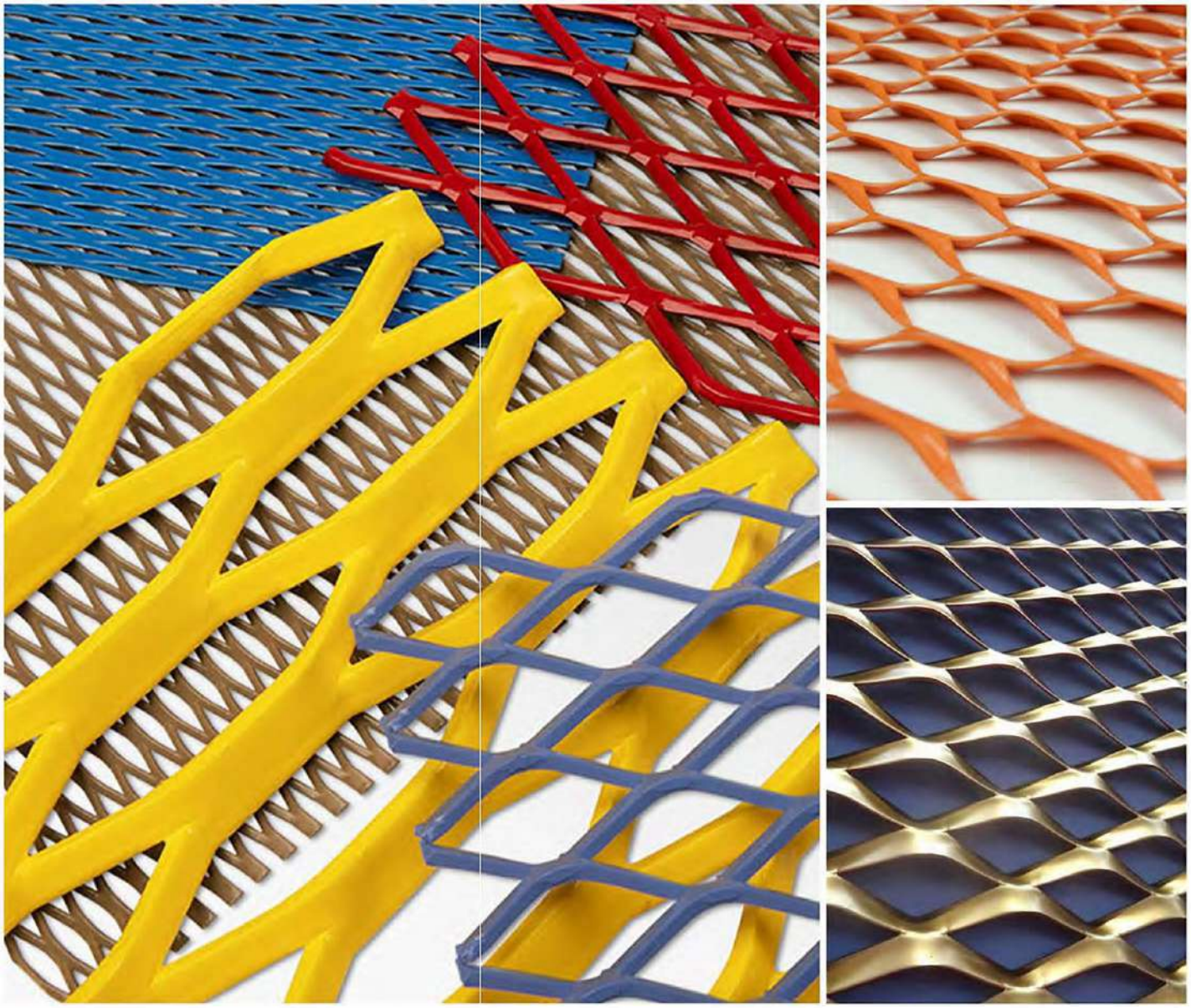


EXPANDED METAL MESH

16+Year's experience for producing decorative and architectural wire mesh
Glad to work with worldwide architects and designers

EXPANDED METAL MESH

Decorative expended metal mesh is made by cutting and stretching a metal panel to form various diamond openings. It is available in three materials: Carbon steel, aluminum alloy and stainless steel. Other materials for choose: Copper, Brass, Titanium, Nickel, etc. You can find the best fit for your application. It can also be coated into various colors to match different architectural styles and designs. So it is an ideal decorative product for designers and architects.

SPACE

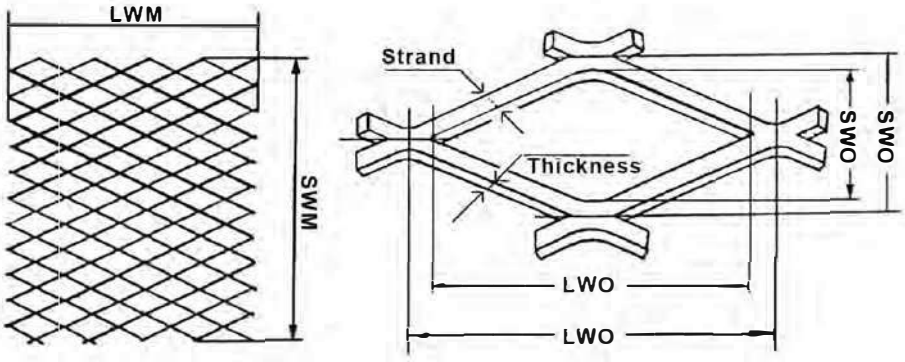
- Partition
- Window
- Interior Design
- Furniture
- Wall Covering

APPLICATIONS

- Hotel
- Shopping Center
- Office
- Concert Hall
- Restaurant
- Family
- Recreation Center
- School
- Theater
- Library
- Hospital

SPECIFICATION

Material	Carbon steel/ aluminum/stainless steel
Surface finish	Power coated
Thickness	Based on client's request
Aperture(Hole size)	Based on client's request
Width	Max 11m
Length	Unlimited
Type	Panel/roll
Color	Silver, copper, brass, gold, rose gold, black, coffee, bronze, red and etc



EXPANDED METAL - STANDARD

SPACE

- Partition
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APPLICATIONS

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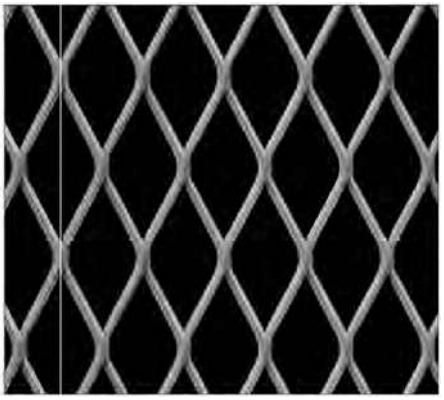
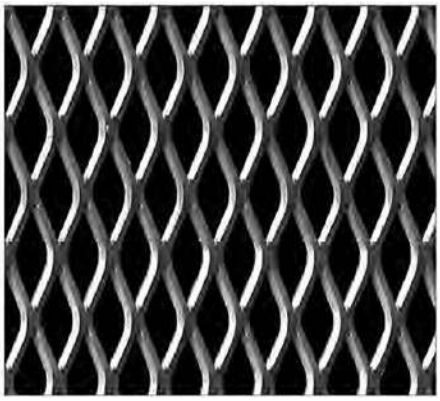
EXPANDED METAL - STANDARD

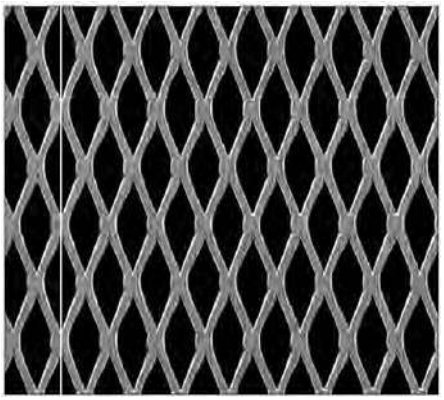


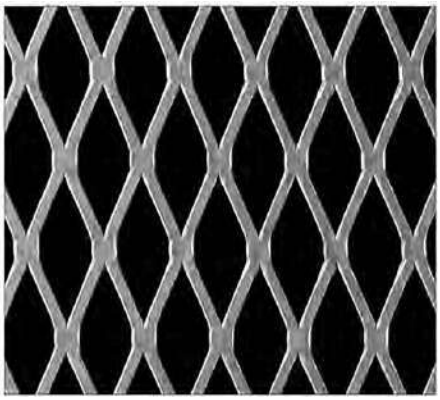


Standard, or raised, expanded metal is an extremely versatile material. It's easy to control the percentage of open area to suit the application by altering the pattern size and/or strand width, thus increasing the flow of air or light in the finished product. Expanded metal offers a tremendous amount of form-ability — it's able to withstand a 90-degree bend within a 1/4" inside radius without breaking.

Manufacturers that are concerned about minimizing operating expenses will appreciate raised expanded metal's cost-effectiveness. The slitting and stretching process produces no scrap or waste material.

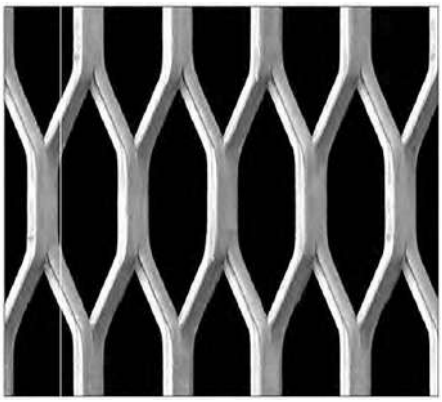
EXPANDED METAL - FLATTENED

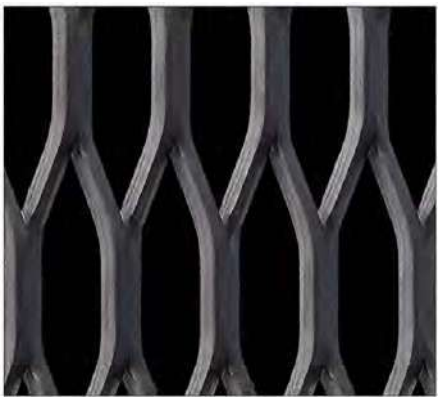




Flattened expanded metal is an extremely versatile product that is created by making multiple slits in a sheet of metal, then stretching the sheet to produce a unique diamond pattern. This variation of the standard expanded metal manufacturing process involves flattening the sheet by passing it through flattening rolls, a technique known as "cold rolling". This produces thin, expanded metal sheets and stretches the pattern even further, while also providing a smoother, flatter finish.

EXPANDED METAL - GRATING



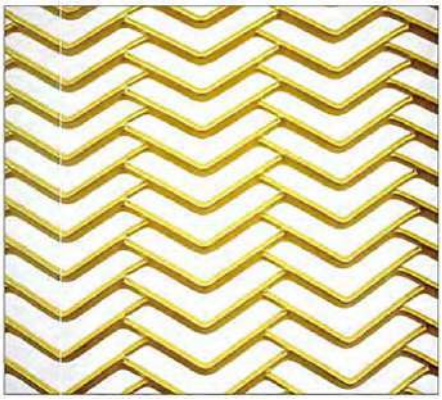


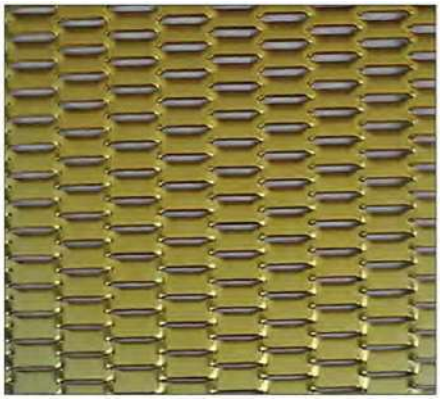
Expanded metal grating is a strong and economical product used in a variety of industrial, commercial, architectural, and drainage applications. Our expanded metal gratings are used for bridge walkways, water treatment plants, industrial plant construction, heavy duty fence and barrier construction, utility and other trailer manufacturing. It can be made into economical vertical screening, fire escapes, stair treads, mezzanines, ramps, and walkways, as well as oil and gas platforms.

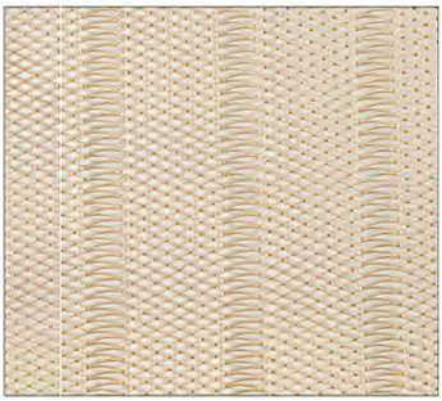
SPACE

- Partition
- Window
- Interior Design
- Furniture
- Wall Covering

EXPANDED METAL - FLATTENED



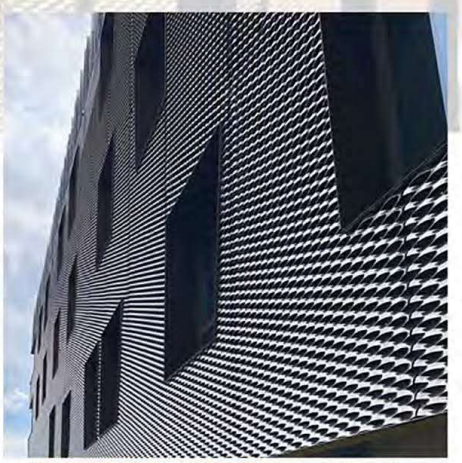




APPLICATIONS

- Hotel
- Shopping Center
- Office
- Concert Hall
- Restaurant
- Family
- Recreation Center
- School
- Theater
- Library
- Hospital

APPLICATIONS



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Aluminum Laser Cut Screen

16+Year's experience for producing decorative and architectural wire mesh
Glad to work with worldwide architects and designers

Aluminum Laser Cut Screen

Our Aluminium Screens are made from lightweight, tough, rust free aluminium with a powder coated finish.

The screens are suitable for indoor and outdoor use with a variety of applications. As the screens are made from powder coated aluminium, they require very little ongoing maintenance.

Our exclusive designs feature in commercial environments – retail, hotels, bars, restaurants, leisure, offices, financial institutions as well as luxury residences and apartments.

Features

- Fashion design
- Sturdy and durable
- Preferred material
- Antiseptic and antirust

SPECIFICATION:

Material: Aluminium alloy
Material thickness: 1mm-20mm, up to requirement
Design pattern: Choose from our pattern or customized
Color: White, black, gray, silver, brown, all RAL colors available
Surface finish: Polyester powder coated, PVDF, electroplate
Installation: We can supply all accessories

APPLICATIONS

- Hotel
- Garden
- Restaurant
- House
- Lounge

1.Preferred material

High strength, good mechanical properties, physical properties and corrosion resistance

2.Thicker material

Thick metal, strong and durable, not easy to break

3.Exquisite pattern

Exquisite pattern, simple, beautiful and durable

Features

- Fashion design
- Sturdy and durable
- Preferred material
- Antiseptic and antirust

APPLICATIONS

- Hotel
- Garden
- Restaurant
- House Lounge

Production Process

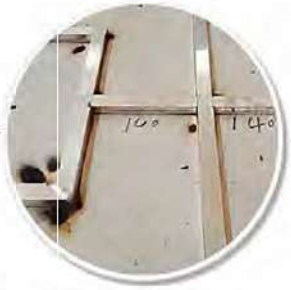
1.Bending

2.Aluminum Frame Cutting

3.Profile Cutting

4.CNC Cutting

5.Laser Cutting


6.Profile Welding

7.Frame

8.Polishing

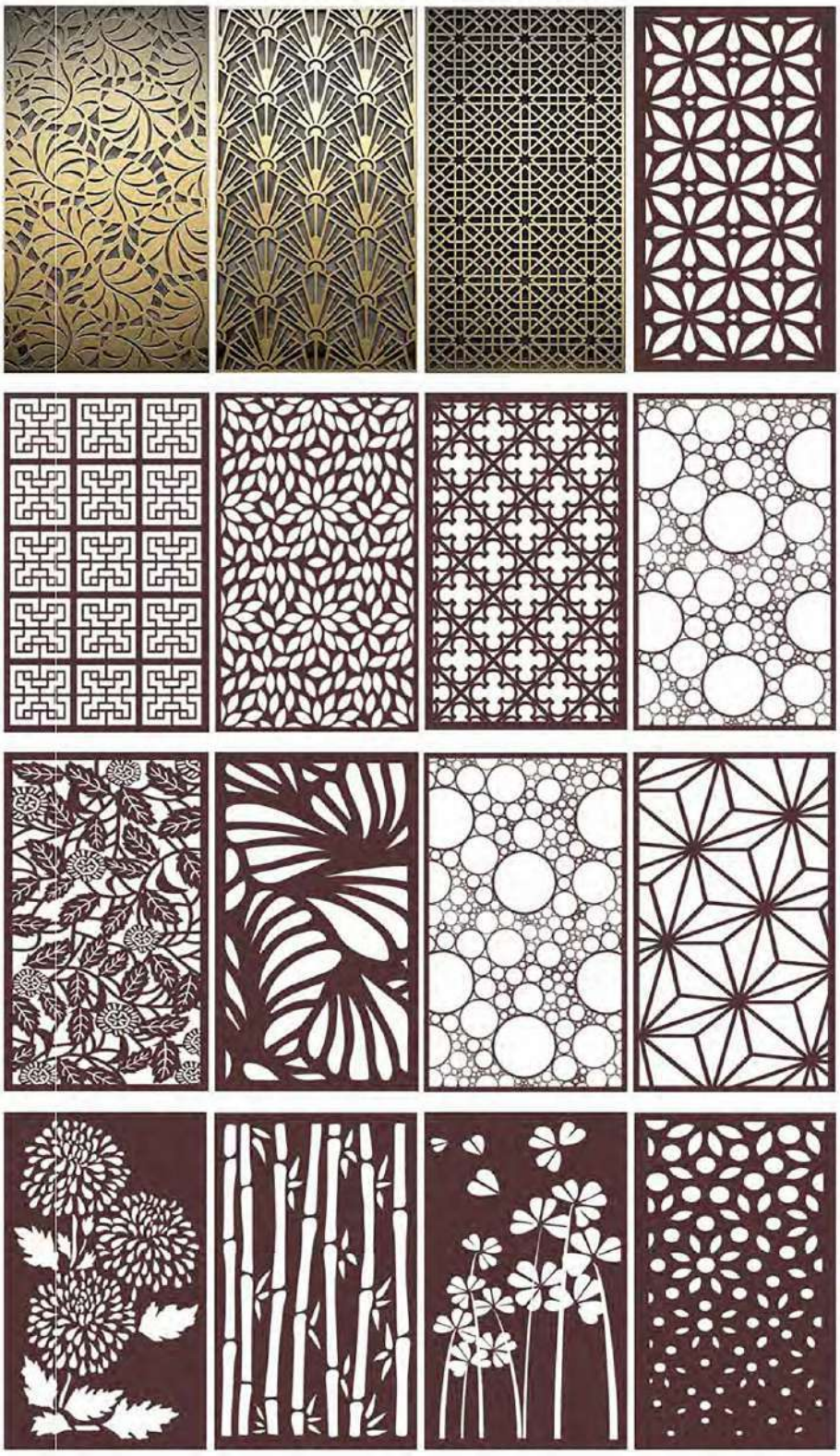
9.Powder Coating

10.SSPVD

11.After

12.QC &Package

Aluminum Laser Cut Screen



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APPLICATIONS

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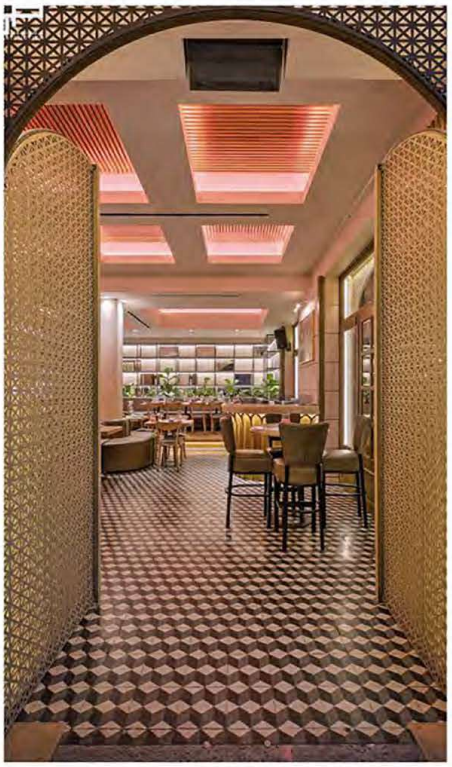
APPLICATIONS



Features

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APPLICATIONS

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- Restaurant
- House
- Lounge

Contact details

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