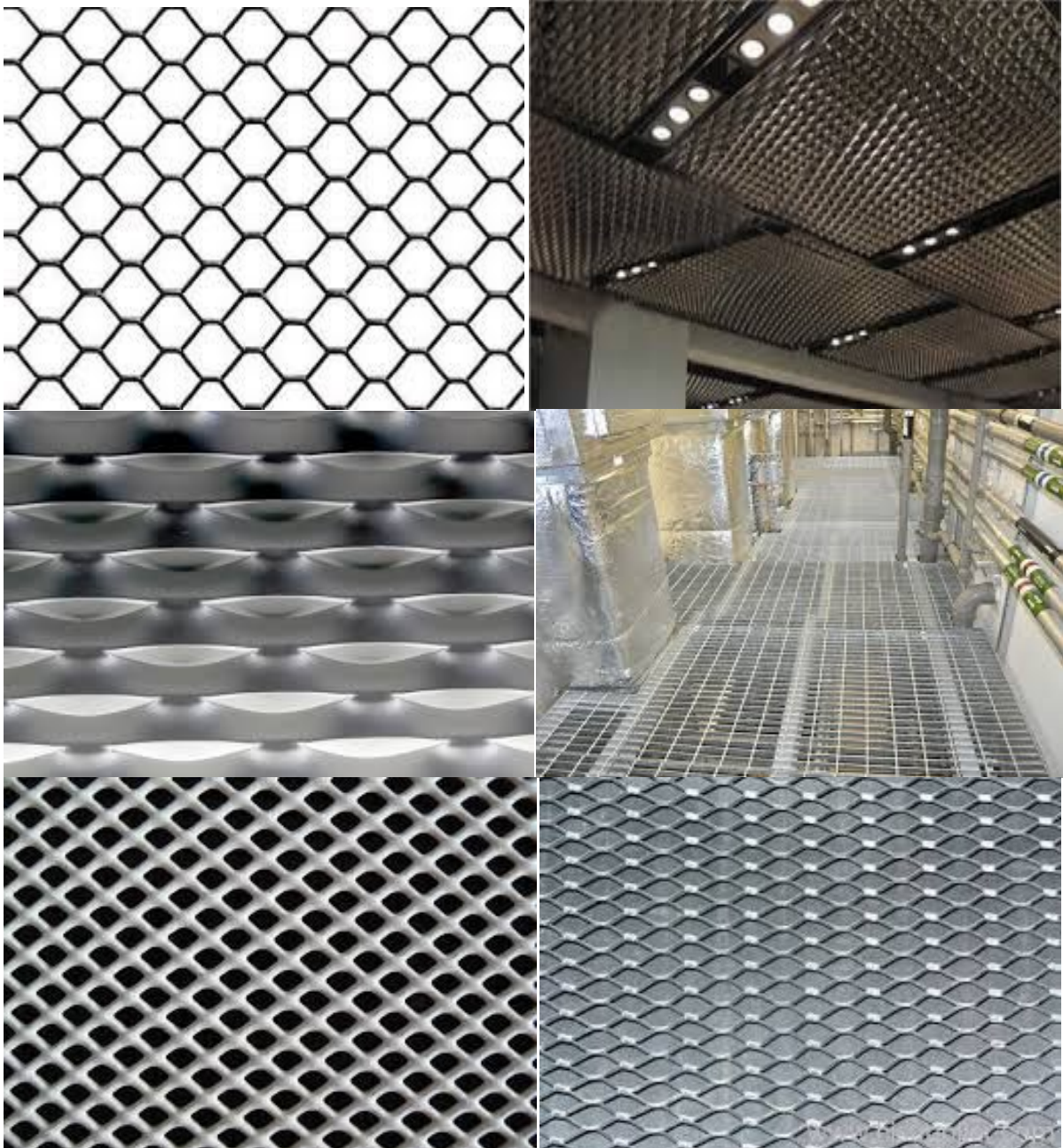


## Decorative Expanded Metal

Heanjia –Decorative expanded metal is a flexible and economical product that is made from single sheet of metal forming attractively shaped openings. The design doesn't unravel under the normal conditions and the sheet holds its shape for the several years. It offers enhanced strength and firmness. It comes in a standard or flattened design in the diversity of gauges, opening shapes, sizes and material types.

Decorative expanded sheet is widely used in interior design and architectural applications. The uniform openings allow uninterrupted supply of air, heat, light and sound. It is a lightweight and aesthetically attractive product that is used in corridors, walls, partitions, ceiling tiles and grilles.



In assistance of Heanjia Super-Metals, you will receive the quality expanded metal products that are commonly used in the architectural, commercial, industrial and resource projects worldwide.

Decorative expanded metal is manufactured with smaller diamond sizes or unique shape opening. Contact us for several other styles and custom designs. The unique designs offer great appeal for architects and designers.

### **Basic type of expanded mesh**

Fine mesh: The precise and miniature version of traditional expanded metal is produced using the variety of metal or alloy sheets. These can be fabricated flattened and raised and delivered in coil or sheet forms.

### **Finishes**

The finishes are accomplished at our in-house manufacturing plant which includes hot dip galvanization, pre-galvanizing, anodizing, enameling, power coating, painting etc.

### **Advantages of Decorative expanded metal**

Uninterrupted flow of light and air: From its nature, expanded metal has an extent of open area. This magnitude or percentage can be enhanced to accommodate the architect's specific requirements. By mending the pattern sizes or strand width, the open area % can be controlled, the extent of air or light supply can be changed following the project's demand. Moreover the supply of natural light can be limited by the orientation or pitch of the pattern. Using the regular expanded metal, the uniform angles of strands and bonds treat as facets that reflect or improve lighting. Expanded metal has become the prime choice of lighting designers because of this specialty.

Custom design: Expanded metal is designed following the special style or design requirements. The angles and various types of slits, stretches, placement, indentions may change as per project following the architect's preference.

Strength and formability : Expanded metal sheets for decorative or traditional purpose are slit and stretched to produce a durable and undeforming sheet. The twist of metal that produces during the expanded process makes the product extremely rigid and offers higher strength than actual sheet of raw material. This sheet is specialized for using not only for aesthetic purpose even also for structural characteristics offered.

Durability: Durability can be developed by matching suitable materials to the condition of the project. As practically all malleable metals can be expanded, it only requires to choose the metal or alloy fit for the project. Moreover, if required, suitable coating choice can further extend life.

Economical: 1. Sheet is slit and stretched hence no material waste

2. High yield strength
3. Easy formability
4. Easy installation

## Stock specification of Decorative Expanded Metal

Product code	Material	Nom. Mesh size		Nom. Strand size		Sheet size LWM x SWM	Weight, kg/m2	Open area
		LWM	SWM	Thickness	Width			
HS15	Stainless steel	135 mm	45 mm	5 mm	8 mm	600/750/900/1200 x 3000	14 kg/m2	64 %
HS19	Stainless steel	135 mm	45 mm	5 mm	11 mm	600/750/900/1200 x 3000	19 kg/m2	52 %
HS22	Stainless steel	75 mm	30 mm	5 mm	7.50 mm	600/750/900/1200 x 3000	22 kg/m2	50 %
HS28	Stainless steel	75 mm	30 mm	5 mm	10.50 mm	600/750/900/1200 x 3000	28 kg/m2	30 %
Small diamond range								
Product code	Material	Nom. Mesh dimensions		Nom. Strand dimensions		Sheet size LWM x SWM	Weight	Open area %
		LWM	SWM	Thickness	Width			
HS608	Aluminum	6 mm	3.50 mm	0.60 mm	0.76 mm	1200 x 1200	2.02 kg/m2	57 %
HS096	Aluminum	10 mm	5.50 mm	0.90 mm	1.55 mm	1200 x 1200	4.10 kg/m2	44 %
HS091	Aluminum	15 mm	5.50 mm	0.90 mm	1.17 mm	1200 x 1200	3 kg/m2	58 %
Large diamond range								
HS016	Aluminum	28 mm	9 mm	1.60 mm	1.60 mm	1200 X 2400	4.40 kg/m2	65 %
HS020	Aluminum	38 mm	15 mm	1.60 mm	2 mm	1200 X 2400	3.30 kg/m2	73 %
HS021	Aluminum	50 mm	19 mm	1.60 mm	2.10 mm	1200 X 2400	2.30 kg/m2	77 %
HS039	Aluminum	50 mm	19 mm	3 mm	3.90 mm	1200 X 2400	8.30 kg/m2	59 %
HS029	Aluminum	60 mm	25 mm	2 mm	2.80 mm	1200 X 2400	3.50 kg/m2	77 %
HS045	Aluminum	76 mm	38 mm	3 mm	4.50 mm	2400 X 1200	6.70 kg/m2	76 %
HS056	Aluminum	102 mm	50 mm	3 mm	5.60 mm	2400 X 1200	5.70 kg/m2	77 %
SECURITY MESH								
HS030	Stainless steel	19 mm	12 mm	3 mm	3 mm	1200 X 2400	12 kg/m2	50 %
HS056	Stainless steel	102 mm	50 mm	3 mm	5.60 mm	1800 X 750	5.70 kg/m2	77 %
HS057	Stainless steel	102 mm	50 mm	3 mm	5.60 mm	2000 X 800	5.70 kg/m2	77 %
HS060	Stainless steel	102 mm	50 mm	3 mm	5.60 mm	2000 X 1100	5.70 kg/m2	77 %
DECORATIVE MESH								
HS078	Aluminum	102 mm	25 mm	3 mm	3.20 mm	2400 X 1200	5.40 kg/m2	74 %
SUNSCREEN MESH								
HS063	Stainless steel	76 mm	16 mm	1.60 mm	6.30 mm	2400 x 1200	11.08 kg/m2	22 %
HS069	Stainless steel	75 mm	30 mm	1.60 mm	10.50 mm	2400 x 1200	9.68 kg/m2	30 %