

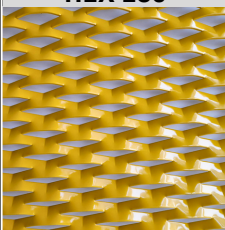
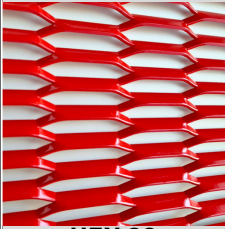
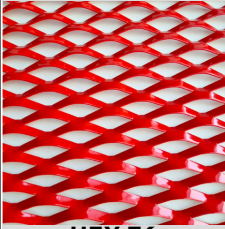
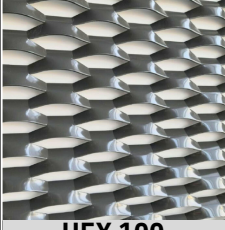
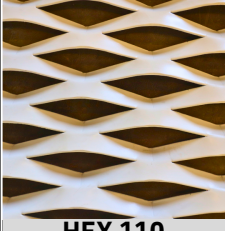
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SpecWrite
STRUCTURAL SPECIFICATIONS & SOURCING SERVICES

EXPANDED METAL MESH

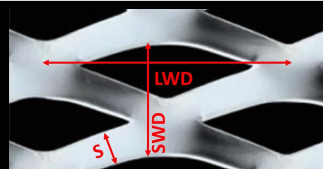
Technical Specification


H-ARCH
Total architectural solutions

Product Code	LWD mm	SWD mm	Strand Width mm	≈ Open Area %	Material Thickness Range mm	Panel Thickness mm
 HEX 150	150	45	12	47	Al (1.4-5) SS, MS, GI (1-3)	≈ 24 - 26
		55	16	42		
		55	20	27		
		64	8	75		
		65	28	15		
 HEX 62	62	16	4	50	Al (1.4-5) SS, MS, GI (1-3)	≈ 10 - 12
		20	8	20		
		22	6	45		
		24	8	33		
		28	12	15		
 HEX 92	92	26	5	62	Al (1.4-5) SS, MS, GI (1-3)	≈ 12 - 14
		28	10	30		
		32	14	13		
		36	16	10		
		40	20	10		
 HEX 165	165	50	20	20	Al (1.4-5) SS, MS, GI (1-3)	≈ 20 - 22
		50	16	36		
		52	14	45		
		52	12	55		
		50	8	68		
 HEX 76	76	25	3	75	Al (1.4-5) SS, MS, GI (1-3)	≈ 13 - 15
		25	8	36		
		27	5	62		
		30	8	47		
		33	12	27		
 HEX 100	100	30	5	67	Al (1.4-5) SS, MS, GI (1-3)	≈ 14 - 16
		35	10	43		
		38	14	26		
		42	14	33		
		46	20	13		
 HEX 110	110	30	5	67	Al (1.4-5) SS, MS, GI (1-3)	≈ 14 - 16
		35	10	43		
		38	12	37		
		40	15	25		
		46	20	13		

Note:

- Aluminum(AL), Stainless Steel (SS), Mild Steel (MS), Galvanised Iron (GI)
- For a detailed specification sheet please contact our team.



LWD - Long Way Dim.
SWD - Short Way Dim.
S - Strand Width

FINISHES

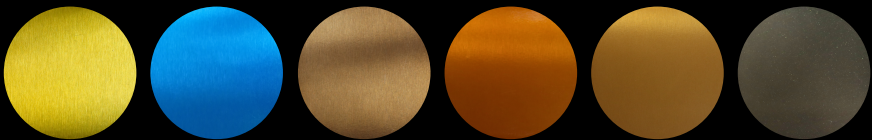
Powder Coating

- Chose from 216 RAL classic shades and 45 Textured coatings
- Available gloss levels from 5% to 70%
- Standard and Super-durable options available



Electro IH

- Interplay of SS Base & Electro IH process with the reflection of the base on top of Electro IH Color that provides Angle-Dependent Chromatic Shift
- Available Colors: Gold, Bronze, Gonze, Copper, Sparkling Black, Blue



Embossed / Perforated Mesh

- Combine Embossing or Perforated patterns with Expanded Metal Mesh to retain the functionality of the mesh, and add additional aesthetic appeal.
- Embossing enhances material rigidity, whereas perforation reduces the mesh's weight without compromising its structural integrity.

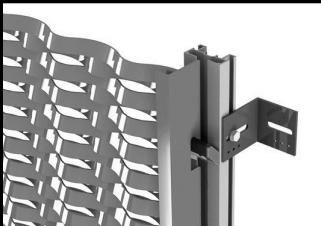
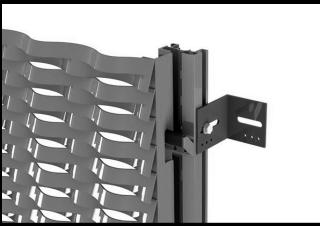
PVD and Electroplating

- Improve the appearance of the Expanded Metal Mesh by providing a colorful, shiny, or decorative finish, enhancing its visual appeal for various applications.

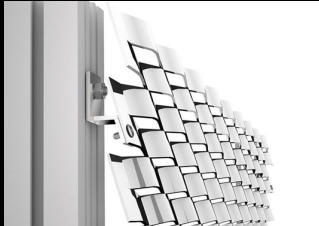
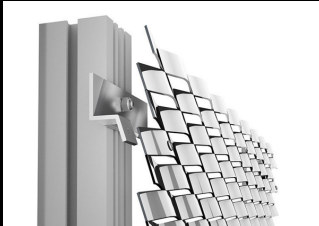
FIXING SYSTEMS

Facades

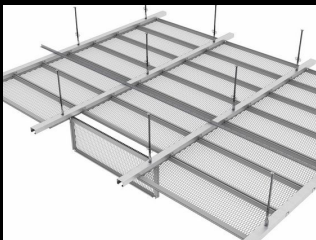
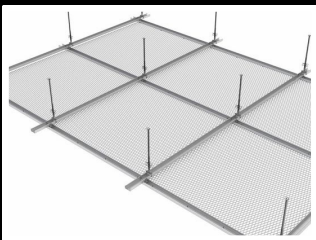
Framed Fixing Systems



Frameless Fixing Systems



Ceilings



Note:

- For customized applications and further details regarding fixing systems please contact our team

APPLICATIONS

Expanded metal mesh shines in both architectural and interior design. For exteriors, it offers lightweight, customizable sunscreens for temperature control and modern aesthetics. It can also be incorporated into facade panels or function as sturdy yet transparent security walls and railings. Inside, expanded metal mesh partitions create airy separations between spaces, while ceilings and walls made from this material add texture, visual interest, and even improve acoustics. The flexibility of the mesh extends to furniture and design elements, allowing for creative applications in cabinet doors, light fixtures, and shelving.



ASTM STANDARDS

ASTM B209/B209M | ASTM A240/A240M | ASTM A505-16

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