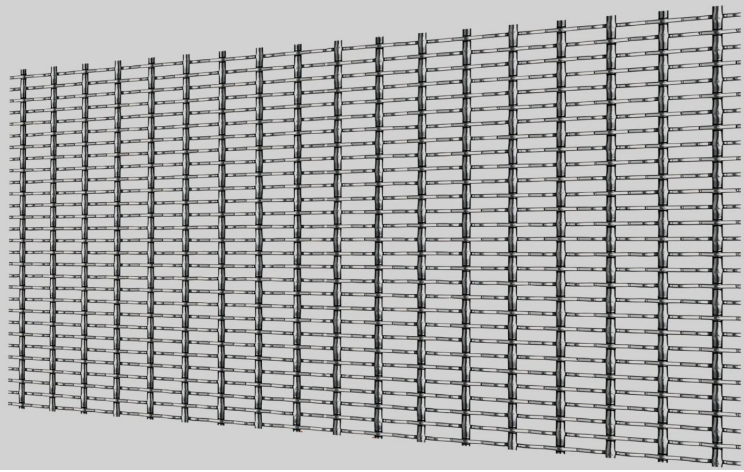
ASPECT 53

Woven stainless steel architectural wire mesh



This lightweight, budget-friendly intercrimp wire mesh maximizes stainless steel sturdiness, uses warp and weft of varying diameters for balanced rigidity, features a crimped surface with striking light reflectivity, and creates vivid color contrast when paired with copper-based alloys. It is ideal for space partitions, decorative ceilings, sunshade grilles and lamp covers, adding stylish charm to diverse settings.

Technical Data

Model	ASPECT 53
Series	ASPECT
Construction	Intercrimp, warp and weft of different diameters
Panel type	Rigid
Open area	53.9%
Overall thickness	3/32" (2.49 mm)
Aspect ratio (opening)	2.57:1
Wire diameter (nominal)	0.047" (1.2 mm)
Opening (nominal, W x H)	0.236" x 0.091" (6.0 x 2.3 mm)
Wire centers (nominal)	0.283" x 0.138" (7.2 x 3.5 mm)
Opening limitation (largest sphere)	0.091" (2.3 mm)
Weight (nominal, stainless steel)	4.3 kg/m² (0.88 lb/ft²)
Standard materials	Stainless steel 304 / 316, Plain / galvanized steel, Stainless / copper-alloy mixed weave
Finishes	Mill, brushed or electropolished; powder coating (any RAL); PVD colors (titanium gold, rose gold, champagne, black titanium); antique plating (interior only)
Supply format	Rolls, cut sheets or framed panels made to your drawings. Maximum size depends on pattern and alloy - send your opening sizes for confirmation.

Weight by Material (nominal)

Material	kg/m²	lb/ft²
Stainless steel 304 / 316	4.3	0.88
Plain / galvanized steel	4.3	0.87
Stainless / copper-alloy mixed weave	4.6	0.93

Key Features

- Lightweight, budget-friendly intercrimp construction
- Warp and weft of different diameters for balanced rigidity
- Crimped surface with strong light reflectivity; vivid contrast with copper-based alloys

Ideal for: Space partitions, decorative ceilings, sunshade grilles and lamp covers.

Performance & Design Data

Solidity (1 - open area)	46.1%
Geometric cut-off angle (short opening)	43°
Railing infill check (100 mm / 4" sphere)	Openings smaller than 100 mm (4")
Fire behaviour	Bare stainless steel is a non-combustible metal. Coated, plated or backed finishes: classification per project test report.
Corrosion guidance	304 for interiors and protected exteriors; 316 / 316L for exterior, coastal and polluted environments.

Beyond this incidence angle, direct light and view through the short opening are blocked (louver effect).

Installation & Framing

Recommended fixing	Framed panels: U-edging (captured edge), flat-bar clamp or angle frame. For wall and elevator cladding, clip or bond to an aluminum honeycomb or MDF backer.

How to Specify

1. Pattern name, e.g. AXIS 81
2. Material and grade, e.g. Stainless steel 316
3. Finish, e.g. PVD Black Titanium or RAL 9005
4. Panel width x height and quantity
5. Opening direction (rectangular patterns)
6. Edge or frame profile and size
7. Indoor or exterior, and site location
8. Target delivery date

Nominal values are calculated from pattern geometry for stainless steel and may vary by approx. 10-15%. Weights for other alloys are calculated from the stainless steel value. Wire diameter, opening, alloy, finish and panel size can be customized - please confirm final specifications with a physical sample.