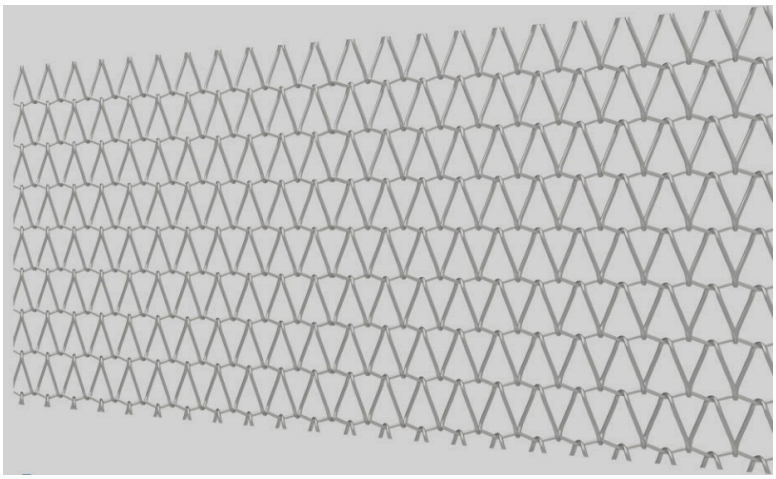
VERTEX 83

Woven stainless steel architectural wire mesh



This woven architectural mesh features a crisp, repeating triangular pattern that creates a strong visual rhythm on both interior and exterior surfaces. Durable and corrosion resistant, it combines a bold decorative effect with high transparency, making it a top choice for facade curtain walls, parking garage screens, sun shading, guardrail infills and interior feature walls.

Technical Data

Model	VERTEX 83
Series	VERTEX
Construction	Spiral coil with cross rods (triangular pattern)
Panel type	Flexible (one direction)
Open area	83.2%
Overall thickness	On request
Spiral wire diameter	0.041" (1.05 mm)
Cross rod diameter	0.041" (1.05 mm)
Pitch (nominal)	spiral 3/8" (9.5 mm), rod 39/64" (15.5 mm)
Opening (nominal, W x H)	Pattern-specific
Weight (nominal, stainless steel)	2.2 kg/m² (0.45 lb/ft²)
Standard materials	Stainless steel 304 / 316
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	2.2	0.45

Key Features

- Crisp, repeating triangular woven pattern
- Strong visual rhythm with high transparency
- Durable and corrosion resistant for interior and exterior use

Ideal for: Facade curtain walls, parking garage screens, sun shading, guardrail infills and feature walls.

Performance & Design Data

Solidity (1 - open area)	16.8%
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.

Installation & Framing

Recommended fixing	Tensioned system: woven-in rod with eyebolts top and bottom and compression springs at the base; or framed infill panels.

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.