



*Decorative Sunshade
Stainless Steel*

10 Mesh/.035



*Railing Detail;
Square Mesh
Wire Cloth*

2 Mesh/.105

Established in 1909, GDW's Western division specializes in weaving distribution and fabrication of a comprehensive line of wire cloth. Together with our Eastern US, Southwestern US, Canadian and European divisions we are part of the largest wire cloth supplier in the world.

Gerard Daniel Worldwide offers custom weaving capabilities for woven wire mesh up to 9.5 feet wide in square mesh and clear openings.

Our weaving range is from 4 inch square openings with a .250 inch wire diameter to 12 mesh, .028 inch wire diameter. Beyond custom weaving, we also maintain a large inventory of stock woven and welded mesh.

Many wire specifications are available in various metals such as plain steel, galvanized steel, stainless steel, aluminum, copper, brass and bronze.

Fabrication services such as cutting to custom sizes and shapes provide

flexibility in design, uniform fit and minimum of waste. Combining numerous available mesh patterns, various metals, custom sizes and shapes allow the designer a wide range of flexibility.

Various metal surfaces of wire mesh create optical contrast with other materials. The appeal of wire mesh is that it takes on the color of its surroundings and reflects them. Used indoors or out, wire mesh assists to merge design and environment.



GERARD DANIEL WORLDWIDE

Custom Fabrication • Interior, Exterior



Applications

Barriers

Ceiling Panels

Elevator Panels

Exhibition Displays

Gates

Grillwork

Railing Guards

Room Dividers

Screening Devices

Soffits

Stair Guards

Store Displays

Sun Shades

Ventilation Covers

Wall Coverings

Wall Panels,
Interior &
Exterior

Aviary Netting



Foyer, Entry Detail
10 Mesh/.035



Canopy
1" Mesh/.135



Panelized Ceiling
4 Mesh/.080



Stair Rail and Kick Panels;
Woven Wire Mesh
4" Mesh/.250



Decorative Stair Rail Panels
2" Mesh/.250 Double Bar



Soffit Detail; Woven Wire Mesh
on Diagonal
5/8" Mesh/.120

Custom Fabrication • Interior, Exterior



**Wirework Details;
Custom Application
for Woven Mesh**
4" Mesh/.250



Portico/Planter Details
2" Mesh/.192



Railing Insert
1" Mesh/.135



Infill Panels
3/4" Mesh/.120



Mesh Canopies
3/4" Mesh/.135

Wire Mesh Terminology

Mesh

Number of openings in a lineal inch measured from the center of one wire to a point one inch distant.

Clear opening (also space)

Space between adjacent parallel wires.

Crimp

Corrugations in wires to permit locking them into place when perpendicular to each other.

Double Crimp

Wires pre-crimped prior to weaving, wires lay in each crimp.

Double Intermediate Crimp

Wires lay in every other crimp.

Slotted Opening

Weave where the wires are arranged to provide rectangular openings.

Welded Wire Cloth

Wires lay flat (no crimp) welded at intersection.

Material Characteristics

Available Sizes: Many architectural wire meshes can be produced in widths up to 9 ½ feet and lengths of 100 feet or more. This assists in eliminating many measurement restrictions. Generous applications without seams are feasible due to the materials own stability.

Resistant to Corrosion/Weathering

By choosing a stainless steel or aluminum wire, corrosion and weathering are virtually eliminated in almost any environment.

Low Maintenance: Generally, wire mesh requires no special maintenance after its installation.

Sound Absorption: Excellent acoustic values are achieved when wire mesh is used for suspended ceilings and wall coverings. Sound is interrupted as a result of the structure of the wire mesh.

Flexibility: Varying requirements can be fulfilled using wire mesh. Equipment such as cables, pipes, ductwork or electrical conduit can be hidden or protected behind wire mesh. Air and light can pass through larger opening weaves or can be restricted with tighter, smaller opening weaves.

Flammability: Wire mesh is not flammable; it can therefore be used in residential, commercial and public buildings with no special considerations for fire safety.

Materials

Steel: Low carbon C1008 is most commonly used. It can be painted or coated. It is not recommended for exterior applications, without protective coating.

Galvanized Steel: Low carbon steel electro coated with zinc for enhanced corrosion resistance.

Stainless Steel: Excellent resistance to corrosion and weathering. It requires no special maintenance or cleaning procedures.

Aluminum: Light weight and resistant to corrosion and weathering.

Copper: Good formability, resists corrosion from fresh and salt water.

Brass: Most common 80% copper / 20% zinc. Good formability, resists corrosion like copper.

Bronze: Most common 90% copper / 10% zinc. Better corrosion resistance and lower strength than brass.

NOTE: Sample available upon request.



*Stage Effects
12 Mesh/.023*



GERARD DANIEL WORLDWIDE

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