

Polymer-Coated (Extruded or Fused Bonded) Privacy Vinyl Slat Fence

1. PRODUCT NAME

EagleSlat-Color and EagleMax-Color Fence are privacy fencing systems made up of Poly Coated (Extruded or Fused and adhered) over galvanized steel wire Chain Link Fence Fabric with pre-inserted polyethylene slats, framework, fittings, gates and incidental accessory items.

2. MANUFACTURER

Southwestern Wire, Inc.
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3. PRODUCT DESCRIPTION

Basic Use:

Polymer-coated steel chain link fence fabric with privacy slats inserted in pickets is suitable for privacy screening around commercial, industrial, institutional and recreational applications. Slat inserted fabric is specific by the amount of privacy needed for use in application, road, dock, airport, housing, forestry and military may require different levels of privacy.

Composition and Materials:

The galvanized steel core wire for producing extruded or fused and adhered coated steel chain link fence fabric is produced by cold-drawing good commercial grade steel rod into wire of the appropriate diameter. The steel rod from which the wire is drawn, is produced by the open hearth, electric furnace or basic oxygen process. Passing the cleaned wire through a bath of molten zinc that conforms to ASTM B6 produces the galvanized coating.

The core wire is cold drawn from commercial grade, low carbon steel rod to the appropriate diameter. The wire is then galvanized (zinc coated) to the appropriate coating weight per diameter as specified in ASTM F668. The finished core wire has a minimum breaking strength as specified for the diameter in ASTM F668.

Extruding PVC to a coating thickness up to 0.025-in. (0.64-mm) produces the extruded PVC coating over a galvanized core wire. These finished wires shall conform to the requirements of ASTM F668 with reference to aging, malleability and color.

Fusing and adhering Polymer-Coating to a minimum 0.006 in. / maximum 0.015 in. produces Polyvinyl Chloride(PVC) and other Organic Polymer coatings over the core wire. These finished wires shall conform to the requirements of ASTM F668 with reference to adhesion, aging, malleability and color.

Standards:

ASTM F3000/F3000M-13 *Standard Specification for Polymer Privacy Insert Slats for Chain Link Fabric and Privacy Chain Link Fabric Manufactured Containing Pre-Installed Privacy Slats*

WLG2445 *Chain Link Fence Manufacturers Institute (CLFMI) WIND LOAD GUIDE for the selection of line posts & line posts spacing (Available @ <http://www.chainlinkinfo.org>)*
ASTM A392 *Standard Specification for Zinc-Coated Steel Chain-Link Fence Fabric*
ASTM A491 *Standard Specification for Aluminum-Coated Steel Chain-Link Fence Fabric*

ASTM F567 *Standard Practice for Installation of Chain-Link Fence*

ASTM A641 *Standard Specification for Zinc-Coated(Galvanized) Carbon Steel Wire*

ASTM F668 *Standard Specification for Polyvinyl Chloride(PVC) and other Organic Polymer-Coated Steel Chain-Link Fence Fabric*

ASTM A817 *Standard Specification for Metallic-Coated Steel Wire for Chain-Link Fence Fabric and Marcellled Tension Wire*

ASTM B6 *Standard Specification for Zinc (Slab Zinc)*

4. TECHNICAL DATA

General:

The manufacturer, if requested, will supply samples and certification that all materials furnished fully comply with the appropriate specifications.

Chain Link Fence Fabric:

The base metal of the chain link fence fabric is composed of commercial quality medium-carbon wire. The weight of zinc coating, wire sizes with allowable variances, and wire breaking strength, conform to ASTM A817 for the wire size specified. The fabric is zinc coated before weaving.

Coating Weight:

The Polyvinyl Chloride (PVC) and other Organic Polymer-Coated wire from which the fabric is woven will demonstrate the ability to conform to all requirements and tests in ASTM F668. The coating resists attack from prolonged exposure to dilute solutions of most common mineral acids, seawater, and dilute solutions of most salts and alkali.

Sizes:

Slat fabric is available in mesh sizes 2 inch and 3.5 x 5 inches and in heights from 36 inches to 144 inches (1,220 mm to 3,660 mm).

Unless otherwise specified, slat chain link fence fabric woven with a 2 inch (50 mm) or a 3.5 x 5 inch mesh and is knuckled at both selvages.

Slats:

The industrial slat used in Eagle Slat for commercial applications are flat tubular in shape, 2.4" wide. Inside the tube there are three legs for extra durability. The slats are extruded for High Density Polyethylene (HDPE) with UV (ultra violet) inhibitors, specifically designed to protect it from the harmful effects of the sun and lengthen the life of the product. The fin-slat used in Eagle Maximum for greater privacy has the same construction and makeup but will offer a higher level of sight privacy.

5. INSTALLATION

Install chain link fence fabric in accordance with ASTM Practice 567. The job site must be considered when finalizing specific details as post spacing and post footer sizes, framework sizes and gauges, wind load data, and freeze thaw rates. Refer to the Chain Link Manufacturers Institute (CLFMI) Wind Load Guide WLG2445 for line post size, spacing and embedment depth.

6. AVAILABILITY AND COST

Availability:

Polyvinyl Chloride (PVC) and other Organic Polymer-Coated Steel Chain Link Fence Fabric are available for shipment throughout the United States and worldwide.

Cost:

Material costs may vary depending on specific requirements. Costs may be obtained by calling Southwestern Wire, Inc. or one of their stocking dealers.

7. WARRANTY

Slat galvanized steel chain link fence fabric is warranted for 10 years against failure due to rust or corrosion.

8. MAINTENANCE

Periodic inspection is recommended but no routine maintenance is required.

9. TECHNICAL SERVICES

Technical services are available at Southwestern Wire, Inc.



Practical Post Spacing Suggestions - Calculated from CLFMI WLG2445 WIND LOAD GUIDE*
as posted on CLFMI's web page 7-19-13. Maximum Post Spacing is 10 feet as per ASTM F567

Post Type Fence Height Wind Speed	ASTM F1043 Group I-A (Sch 40 Pipe)				ASTM F1043 Group I-C (WT-40)			
	6 ft High		8 ft High		6 ft High		8 ft High	
	Post Size, o.d.	Spacing Max.	Post Size, o.d.	Spacing Max.	Post Size, o.d.	Spacing Max.	Post Size, o.d.	Spacing Max.
105 mph								
Exposure B	4.000"	10 ft	4.000"	6 ft	2.875"	6 ft	4.000"	7 ft
Exposure C	4.000"	7 ft	6.625"	10 ft	4.000"	8 ft	-----	-----
Exposure D	6.625"	10 ft	6.625"	10 ft	-----	-----	-----	-----
110 mph								
Exposure B	4.000"	10 ft	4.000"	5 ft	2.875"	6 ft	4.000"	7 ft
Exposure C	4.000"	7 ft	6.625"	10 ft	4.000"	8 ft	-----	-----
Exposure D	4.000"	5 ft	6.625"	10 ft	4.000"	7 ft	-----	-----
120 mph								
Exposure B	4.000"	8 ft	6.625"	10 ft	2.875"	5 ft	4.000"	6 ft
Exposure C	4.000"	6 ft	6.625"	10 ft	4.000"	7 ft	-----	-----
Exposure D	6.625"	10 ft	6.625"	9 ft	4.000"	6 ft	-----	-----
130 mph								
Exposure B	4.000"	7 ft	6.625"	10 ft	4.000"	9 ft	4.000"	5 ft
Exposure C	6.625"	10 ft	6.625"	10 ft	4.000"	6 ft	-----	-----
Exposure D	6.625"	10 ft	6.625"	8 ft	4.000"	5 ft	-----	-----
140 mph								
Exposure B	4.000"	6 ft	6.625"	10	4.000"	7 ft	-----	-----
Exposure C	6.625"	10 ft	6.625"	8 ft	4.000"	5 ft	-----	-----
Exposure D	6.625"	10 ft	6.625"	7 ft	-----	-----	-----	-----
150 mph								
Exposure B	4.000"	5 ft	6.625"	10 ft	4.000"	6 ft	-----	-----
Exposure C	6.625"	10 ft	6.625"	10 ft	-----	-----	-----	-----
Exposure D	6.625"	10 ft	6.625"	10 ft	-----	-----	-----	-----

For wind speeds greater than 150 MPH and for current guide publication refer to the CLFMI WLG2445 posted on www.chainlinkinfo.com
Post spacing calculations were rounded to the nearest foot and spacings less than 5 ft were not listed. Wind speeds less than 105 MPH are not appropriate per the American Society of Civil Engineers ASCE/SEI 7-10 "MINIMUM DESIGN LOADS for BUILDINGS and STRUCTURES" which is the underlying document used in the CLFMI's wind load guide WLG2445.

- Exposure B: Urban and suburban areas, wooded areas or other terrain with numerous closely spaced obstruction having the size of a single-family dwellings or larger.
- Exposure C: Open terrain with scattered obstructions having heights generally less than 30 ft. This includes flat open country, grasslands, and all water surfaces in hurricane prone regions.
- Exposure D: Flat, unobstructed areas and water surfaces outside hurricane-prone regions. This category includes smooth mud flats, salt flats, and unbroken ice.

*Chain Link Fence Wind Load Guide for the selection of Line Post and Line Post Spacing (WLG 2445) CLFMI, Columbia, MD (2007)

