

Galvanized Wire Privacy Vinyl Slat Fence

Technical Specifications

1. PRODUCT NAME

EagleSlat and EagleMax Slatted Fence are privacy fencing systems made up of Zinc Coated (Galvanized) Steel Chain Link Fence Fabric with pre-inserted polyethylene slats, framework, fittings, gates and incidental accessory items.

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

Basic Use:

Zinc coated (galvanized) 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:

Southwestern Wire's Zinc Coated steel chain link fence fabric is produced by first cold-drawing good quality commercial grade steel rod into wire of the appropriate diameter and tensile. The open hearth, electric furnace or basic oxygen process produces the steel rod from which the wire is drawn.

Zinc coating is applied before weaving the wire into fabric. Consistent zinc coating weights of up to .80 oz./ sq.ft. are obtained by using state of the art gas wipe galvanization systems the basic wire is cleaned, submerged in molten zinc and then passed through various cooling and wiping stations, resulting in a uniform coating around the entire surface of the wire. The zinc-coated wire is then woven into chain link fabric of the appropriate height and mesh. The fabric is free and flexible at all joints, free of excess zinc clumps and smooth to the touch. The slat material is inserted into the chain link at time of weaving and held in place.

The Zinc used for the coating conforms to the requirements of ASTM specification B6.

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 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:

Zinc-coated (galvanized) steel chain link fence fabric which conforms to ASTM A392, and ASTM A641 as well as other specifications referenced above, is available in two coating classes with the following minimum coating weights. Class III - .08 oz/sq. ft. (180 g/m) and Class IV - 1.2 oz/sq. ft. (366 g/m). Aluminum coated steel chain link fence fabric will conform to ASTM A491.

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:

Zinc coated steel chain link fence fabric is 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 12 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.



**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 most 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)

