



Poly(Vinyl Chloride) (PVC)- Coated Steel Chain Link Fence Fabric

Class 2b - Fused and Adhered
ASTM F668, Federal Specification RR-F-191 Type IV, AASHTO M-181 Type IV

PRODUCT NAME

SPSV Fused and Bonded Poly (Vinyl Chloride)- PVC Coated Steel Chain Link Fence Fabric

MANUFACTURER

Stephens Pipe and Steel, LLC Manufacturing Locations:

Stephens Pipe and Steel, LLC
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Russell Springs, Kentucky 42642

Stephens Pipe and Steel, LLC
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Bladensburg, Maryland 20710

Stephens Pipe and Steel
2891 State Hwy 160
Warrior, Alabama 35180

PRODUCT DESCRIPTION

Basic Use:

Fused and adhered fabric is a bonded vinyl, high strength galvanized steel, chain link fence fabric for industrial, commercial and institutional application. Fused and adhered fabric is the highest quality available and is used in numerous federal, state, civil, and military specifications.

Composition and Materials:

The galvanized steel core wire for producing fused and adhered PVC 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. The galvanized coating is produced by passing the cleaned wire through a bath of molten zinc which conforms to ASTM B6.

The fused and adhered PVC coating is produced by first applying a thermoset bonding agent to the galvanized core wire to which the PVC is bonded. A coating of PVC up to 0.010 in. (0.25 mm) is then fused and bonded to the wire.

Standards:

ASTM B 6 Slab Zinc
ASTM F567 Installation of Chain Link Fence
ASTM F668 Poly(Vinyl Chloride) (PVC) and Other Organic Polymer-Coated Steel Chain Link Fence Fabric,
Class 2b
Federal Specification RR-F-191 K1D
Fencing, Wire and Post Metal
(Chain-Link Fence Fabric), Type IV
American Association of State Highway Transportation Officials (AASHTO)
M-181 Chain Link Fence, Type IV,
Class A

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 galvanized (zinc coated) steel wire. The vinyl coating is thermally bonded to a thermoset bonding layer over a galvanized steel wire. This process ensures a tightly bonded coating free of voids, as well as a smooth surface appearance. Vinyl coating thickness, galvanized coating weight, and wire tensile strength conform to Federal Specification RR-F-191, ASTM F668, Class 2a, and AASHTO M-181 Type IV, Class A, as shown in Table 1. The wire is PVC coated before weaving and is free and flexible at all joints. Unless otherwise specified, fabric woven in 2 in. (50 mm) mesh, under 72" (1,830 mm) in height, is knuckled at both selvages; fabric 72" (1,830mm) high and over is knuckled at one selvage and twisted at the other. All fabrics woven into meshes under 2 in. (50 mm) have both selvages knuckled.

Wire Coating:

Only plasticized poly(vinyl chloride) (PVC) with a low temperature (-20 °C; -4°F) plasticizer and no extenders or extraneous matter other than the necessary stabilizers and pigments, is used. The PVC coating resists attack from prolonged exposure to dilute solutions of most common mineral acids, seawater, and dilute solutions of most salts and alkali.

ASTM Color System:

Standard colors conform to ASTM F934 and include:

Color	Green	Brown	Black
Ensor	28.61	27.76	22.30
	-12.59	3.37	-0.09
	1.95	4.28	-0.85

Other colors are available by special order.

Coating Adhesion: The PVC coated wire shall pass the test for adhesion contained in ASTM F668 for Class 2b chain link fabric.

INSTALLATION

Install fence in accordance with ASTM Practice 567. Handle all PVC coated material with care. If PVC coating is damaged during installation, contractor must replace or repair the material at own expense.

AVAILABILITY AND COST

Availability: PVC-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 through all Stephens Pipe Service Centers.

WARRANTY

Fused and adhered PVC coated steel chain link fence fabric is warranted for 15 years against failure due to rust or corrosion.

MAINTENANCE

Periodic inspection is recommended but no routine maintenance is required.

TECHNICAL SERVICES

Technical services are available. Call your sales representative for assistance.