



POLYMER COATED FRAMEWORK – OnGuard Schedule 40

ASTM F1043 Group I-A, Federal specification RR-F-191 Class 1 Grade A, AASHTO M-181 Grade 1

PRODUCT NAME

Polymer Coated Framework,
OnGuard SPSV Schedule 40

DISTRIBUTOR

Stephens Pipe & Steel, LLC

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PRODUCT DESCRIPTION

OnGuard SPSV SCHEDULE 40 pipe is a readily available product that is used as end, corner or line posts, and rails, for industrial, commercial and institutional applications.

It is available in both a heavy PVC coating and a lighter polyolefin coating. The polymer coating, PVC or polyolefin elastomer shall have a film thickness of 10 mils (.254 mm) minimum or polyester 3 mils (.0076 mm) minimum coating. It can be specified in conjunction with all metallic coatings and is applied to the exterior surface of tubular shapes. Unless otherwise specified the color of the coating shall be in accordance with ASTM F 934.

The requirements for this material are contained in numerous government specifications for use in prison, road, dock, airport, housing, forestry, and military installations.

OnGuard SPSV SCHEDULE 40 pipe is typically used in installations which incorporate polymer coated steel chain link fence fabric, although it may also be specified for use with other types of fabric, i.e. zinc or aluminized coated.

Composition and Materials:

OnGuard SPSV Schedule 40 pipe is manufactured from steel meeting the requirements of ASTM F 1083.

The pipe is galvanized inside and out to provide and maintain a pleasing appearance in all climates and severe atmospheric conditions.

Standards:

ASTM F1043 *Strength and Protective Coatings on Metal Industrial Chain Link Fence Framework*, Group I-A Heavy Industrial

ASTM F567 *Installation of Chain Link Fence* Federal specification RR-F-191K/3D

Fencing, Wire and Post Metal (Chain Link Fence Posts, Top Rails, and Braces), Class 1, Grade B AASHTO M-181 *Chain Link Fence*, Grade 1 (American Association of State Highway Transportation Officials), Grade 1

Federal Aviation Administration AC 150/5370
Item F162

TECHNICAL DATA

General:

The manufacturer or distributor can supply samples and certification that all materials furnished fully comply with the required specifications.

Polymer Coated Steel Framework:

The information contained herein for schedule 40 pipe covers the requirements for pipe sizes NPS 1 to NPS 3 1/2, corresponding to fence industry sizes 1-3/8" to 4". Note: The dimensionless designator, NPS is used instead of traditional terms such as nominal diameter, size, and nominal size.)

Yield Strength Requirement:

The yield strength of OnGuard SPSV Schedule 40 is 30,000 psi (206 MPa), min.

Coating Requirements: Zinc

The exterior and interior of OnGuard sch 40 pipe is galvanized to meet a zinc weight of 1.8 oz/sq/ft of surface, ensuring the pipe will maintain its appearance.

Coating Requirements: Polymer

Before the pipe is polymer coated the pipe is subjected to a 5 step cleaning process to insure adhesion to the base material. The coating is a PVC or polyolefin elastomer coating that shall not fade, crack, or peel under normal conditions. It shall withstand 1000 hours of Weatherometer without failure based on Practice D1499.

INSTALLATION

Install fence posts in accordance with ASTM Practice 567.

AVAILABILITY AND COST

Availability: OnGuard SPSV Schedule 40 is available for shipment throughout the United States and worldwide.

Cost: Material costs may vary depending on specific requirements. Costs may be obtained from your Stephens Pipe Sales Representative.

MAINTENANCE

No routine maintenance is required.

TECHNICAL SERVICES

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