

ZINC COATED FRAMEWORK – OnGuard SPS 40E

ASTM F1043 Group I-C, Federal specification RR-F-191 Class 1 Grade B, AASHTO M-181 Grade 2

PRODUCT NAME

Galvanized Framework,
OnGuard SPS 40E

MANUFACTURER / DISTRIBUTOR

Stephens Pipe & Steel, LLC

PO Box 618, 2224 E Hwy 619

Russell Springs, Kentucky 42642

800 451 2612

spsfence.com

PRODUCT DESCRIPTION

OnGuard SPS 40E pipe is the strongest readily available product to use as end, corner or line posts, and rails, for industrial, commercial and institutional applications.

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

OnGuard SPS 40E pipe is typically used in installations which incorporate zinc-coated or aluminum-coated steel chain link fence fabric, although it may also be specified for use with other types of fabric, i.e. PVC coated.

Composition and Materials:

OnGuard SPS 40E pipe is manufactured using pre-galvanized cold formed steel with a higher yield strength and tensile strength than schedule 40 pipe. The pipe is triple coated 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-C Heavy Industrial

ASTM A 653/A 653M *Steel Sheet, Zinc-Coated by the Hot Dip Process*

ASTM A 924/A 924M *General Requirements for Sheet Metal, Metallic-Coated by the Hot Dip Method*

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 2 (American Association of State Highway Transportation Officials), Grade 2 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.

Zinc Coated Steel Framework:

The information in this document for high yield strength/high tensile strength pipe covers the requirements for pipe sizes NPS 1 to NPS 3¹/₂, corresponding to fence industry sizes 1-3¹/₈" to 4". Note: The dimension designator, NPS is used instead of traditional terms such as nominal diameter, size, and nominal size.)

. Yield Strength Requirement:

The yield strength of OnGuard SPS 40E is 50,000 psi (344 MPa), min.

Coating Requirements:

The pre-galvanized exterior of OnGuard pipe is triple coated, ensuring the pipe will maintain its appearance. The raw steel is coated with a metallic coating of zinc, plus a chromate conversion coating and a clear organic film, conforming to ASTM F1043 Type B coating requirements. The interior of the pipe is pre galvanized conforming to ASTM F1043 Type B coating requirements. Mill lengths may range from 18 ft to 24 ft, or posts are available cut-to-length.

CORROSION RESISTANCE

Salt Spray

Exterior

The exterior clear coated surface shall have demonstrated the ability to resist 1000 hours of salt spray exposure with a maximum of 5% red rust.

AVAILABILITY AND COST

Availability: OnGuard SPS 40E 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.



800.451.2612

ADVANTAGE
ONE
SOURCE