

EXCERPTS FROM ASTM F1043

Standard Specification for Strength and Protective Coatings on Metal Industrial Chain Link Fence Framework

3. Terminology

3.1.5 *open sections*-non-tubular framework sections (such as H-posts, C-posts, roll-formed rail, and terminal posts).

From TABLE 2:

Group II
Roll-Formed Steel
Shapes (C-Sections)

Roll formed steel shapes shall be produced to commercial standards. Minimum yield strength shall be 45,000 psi (310 MPa). The minimum weight shall be not less than 90% of the nominal weight. The formed lip shall be of the same thickness as the flat elements and shall project no less than 1/3 the width of the flat element being stiffened. Group II products shall be designated such that the strong axis is perpendicular to the line of fence.

Group III
Hot-Rolled Shapes
(H Beams)

Hot-rolled shapes shall meet the criteria and exhibit a minimum yield strength of 45,000 psi (310 MPa). The minimum weight shall be not less than 90% of the nominal weight.

7. Coating Requirements

7.1 External Coatings

7.1.1 *Type A-Zinc*, 1.8 oz/ft² (550 g/m²) minimum average in accordance with Specification F 1083 for pipe; roll-formed shapes shall be coated in accordance with Specification A 123/A 123M except with a 2.0 oz/ft² (601 g/m²) minimum average zinc coating; or 4.0 oz/ft² (1220 g/m²) zinc coated in accordance with Specification A 653/A 653M for roll-formed shapes.

7.2 Internal Coatings

7.2.1 *Type A-Zinc*, 1.8 oz/ft² (550 g/m²) minimum average in accordance with Specification F 1083 for pipe; roll-formed shapes shall be coated in accordance with Specification A 123/A 123M except with a 2.0 oz/ft² (601 g/m²) minimum average zinc coating; or 4.0 oz/ft² (1220 g/m²) zinc coated in accordance with Specification A 653/A 653M for roll-formed shapes.