

GENERAL PRODUCT SPECIFICATIONS

Galvanized Steel Tubing Mechanical Properties:

- Yield Strength (min): 49,500 PSI
- Tensile Strength (min): 57,500 PSI
- 25% Elongation in 2 inches

Vertical Post:

- 5" Series 11 gage galvanized steel
- 4.5" Series 13 gage galvanized steel
- 3.5" Series 13 gage galvanized steel
- 4" x 4" composite post with aluminum inter core

Galvanized Steel Tubing:

- 3.125" O.D. 13 gage
- 2.375" O.D. 13 gage
- 1.9" O.D. 13 gage
- 1.25" O.D. 14 gage
- 1.1" O.D. 16 gage
- Formed and fabricated into required components
- Finished as specified
- Complies with ASTM standards: A-500/A-513

Rotationally Molded Plastics:

- Low density polyethylene with UV-stabilized color
- Tensile strength is 2,500 PSI as defined by ASTM D-638
- Minimum wall thickness is 0.25"

Blow Molded Plastics:

- High-density polyethylene with UV-stabilized color
- Nominal wall thickness is 0.2"

GENERAL PRODUCT SPECIFICATIONS

HDPE Panels:

- 1/4", 1/2", and 3/4" high density polyethylene sheeting
- Solid and two color sheeting
- Tested in accordance with ASTM D1928 Procedure C
- Density per ASTM D1505
- Melt Index per ASTM D1238
- Tensile Strength and Ultimate Elongation per ASTM D638 Type 4
- Brittleness temperature per ASTM D746
- Flexural modulus per ASTM D790
- Coefficient of linear thermal expansion per ASTM E831
- Textured, matte finish
- UV stabilized

Plastisol Coated Products:

- 12 gage steel core
- 50,000 psi yield strength (ASTM E-8)
- 55,000 psi tensile strength (ASTM E-8)
- Nominal thickness of 0.080"
- Self-extinguishing
- Meets or exceeds automotive specifications NVSS302
- UV inhibitors to prolong life of the coating
- Meets or exceeds the heavy metal requirements of the CPSIA Act of 2008

Powder Coating:

- Shall be a minimum of 8 mills thick
- Electrostatically applied
- TGIC polyester powder baked on at 400 degrees
- Free of sharp edges and excess weld splatter
- Cleaned in an iron phosphate wash
- Resistant to salt spray (ASTM B-117)
- Resistant to humidity (ASTM D-2247)
- Lead free



GENERAL PRODUCT SPECIFICATIONS

Clamps:

- All clamping devices shall be Die Cast
- Material shall be high-strength aluminum alloy
- All clamps shall be double banded for highest clamping pressure
- All deck clamps shall be factory installed
- Powder coated to match vertical post as specified

Hardware:

- All required hardware shall be included in shipment
- All Fasteners are Stainless Steel
- Stainless Steel Grade 304
- Tamper-resistant button head TORX on principle connections
- Special tools shall be supplied in shipment
- Resistant to rust & corrosion

Installation Instructions:

- Descriptive instructions shall be provided
- Instructions shall include maintenance recommendations
- Instructions shall include full color 3D illustrations
- Instructions shall include top view details
- Instructions shall include footing details