



GENERAL PRODUCT SPECIFICATIONS

3.5" SERIES

- 3.5" O.D. vertical posts
- 36" deck grid / 46.5" deck grid
- 24" diameter plastic / 30" diameter plastic

5" SERIES

- 5" O.D. vertical posts
- 48" deck grid
- 30" diameter plastic

VERTICAL POSTS (ROUND STEEL TUBING)

- 13 gauge galvanized steel (3.5" Series)
- 11 gauge galvanized steel (5" Series)
- 11 gauge galvanized steel (shade verticals)
- 50,000 PSI yield strength (ASTM E-8)
- 55,000 PSI tensile strength (ASTM E-8)
- Triple Flo-Coated corrosion protection - interior and exterior (ASTM B-117)
- Contains a minimum of 30% recycled steel and is 95%-98% recyclable
- Manufactured per ASTM A570

VERTICAL POSTS (RECYCLED PLASTIC)

- Poly Tuf
- HDPE Resins
- Minimum of 50% recycled material - up to 90% recycled material
- Essentially maintenance-free
- Color-stabilizing UV pigment systems to help minimize fading

VERTICAL POSTS (R3 RECYCLED PLASTIC)

- 6"x6" posts made of HDPE and fiberglass elements for reinforcement
- Molded in one piece
- UV additives to prevent deterioration from UV light
- Made of 100% recycled material (post-industrial and post-consumer) excluding additives and colorants
- Will not rot, split, crack or splinter for a minimum of 50 years
- Resistant to termites, marine borers, salt spray, oil and fungus

TUBING

- Contains a minimum of 30% recycled steel and is 95%-98% recyclable
- Triple Flo-Coated corrosion protection (interior and exterior)
- Interior and exterior corrosion resistance (ASTM B-117)
- Manufactured per ASTM A570

1-1/4" O.D. ROUND

- 14 gauge galvanized steel
- 50,000 PSI yield strength (ASTM E-8)
- 55,000 PSI tensile strength (ASTM E-8)

1.66" O.D. ROUND

- 11 gauge galvanized steel
- 50,000 PSI yield strength (ASTM E-8)
- 55,000 PSI tensile strength (ASTM E-8)

1.90" O.D. ROUND

- 11 gauge galvanized steel
- 50,000 PSI yield strength (ASTM E-8)
- 55,000 PSI tensile strength (ASTM E-8)

2-3/8" O.D. ROUND

- 13 gauge galvanized steel / 9 gauge steel (Bi-pod/Tri-pod top bar/Superior Shape frame)
- 50,000 PSI yield strength (ASTM E-8)
- 55,000 PSI tensile strength (ASTM E-8)

3.5" O.D. ROUND

- 13 gauge galvanized steel (3.5" Series)
- 50,000 PSI yield strength (ASTM E-8)
- 55,000 PSI tensile strength (ASTM E-8)

4" O.D. SQUARE

- 11 gauge galvanized steel
- 50,000 PSI yield strength (ASTM E-8)
- 55,000 PSI tensile strength (ASTM E-8)

5" O.D. ROUND

- 11 gauge galvanized steel (5" Series)
- 50,000 PSI yield strength (ASTM E-8)
- 55,000 PSI tensile strength (ASTM E-8)

POST CAPS

- Aluminum alloy (ZL101) aluminum series of tertiary alloys
- Tested using GB/T 1173-1995 (equivalent to ANSI 365.0 specified in ASTM B26/B26M)
- Less than 40ppm of lead per IEC 62321:2008 Ed. 1 and US EPA 3050B: 1996
- Powder coat finish
- Machine-pressed into end of post and cannot be removed without special tool

C-LINE FITTINGS

- Aluminum alloy (ZL101, GB/T 1173-1995) aluminum series of tertiary alloys
- Less than 40ppm of lead per IEC 62321:2008 Ed. 1 and US EPA 3050B: 1996
- Mounts to vertical post with gasket and four ¼"x1" self-tapping screws with patch
- Powder coat finish

SEALING GASKET

- Neoprene rubber
- 60 +/- 5 durometer hardness

HARDWARE

- Made from stainless steel or corrosion-resistant coated steel
- Conforms to ANSI/ASCE-8-90 (stainless steel)
- Passed 100 hour salt test (corrosion-resistant coated steel)
- Security patch to insure screw locks into vertical pipe (where applicable)
- Most hardware is tamper resistant

R3 RECYCLED PLASTIC COMPONENTS

- Made of HDPE
- Molded in one piece
- UV additives to prevent deterioration from UV light
- Made of 100% recycled material (post-industrial and post-consumer) excluding additives and colorants
- Will not rot, split, crack or splinter for a minimum of 50 years
- Resistant to termites, marine borers, salt spray, oil and fungus

ROTOMOLDED PLASTICS

- 1st quality linear low density Polyethylene (LDPE)
- Rotational molded with mold-in graphics (where applicable)
- 3/8" wall thickness
- 2,550 psi tensile strength (ASTM D638)
- Melt index per ASTM D1238

- Density per ASTM D4883
- Peak crystallization temperature per ASTM D3418
- Flexural modulus per ASTM D790 Procedure B
- Deflection temperature under load per ASTM D648
- Environmental stress crack resistance, F50 per ASTM D1693 Condition A
- UV stabilized / UV 8 Rating (tested per ASTM G155 cycle 1 guidelines)
- Anti-static inhibitors

POLY SHEET

- 3/4" high density polyethylene sheeting (HDPE)
- 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
- UL 94 HB fire rating
- Stain and graffiti resistant and will not delaminate, splinter or crack

PUNCHED STEEL ITEMS

Decks, Platforms, Ramps, Bridges, Transfer Stations, Stairs, and Steps

- 12 gauge galvaneal steel body
- Formed sides with welded reinforcements (stairs have welded stringers)
- 5/8"x1" diameter slots after coating
- Decks for recycled structures have a plank pattern 5-5/8" wide with 5/16" spacing after coating
- Plastisol coating
- Lead-free per 16 CFR Part 1303

POWDER COAT

- Initially blasted to a 'white' condition to remove all surface rust and oil, our steel frames are coated electrostatically with an Epoxy TGIC Powder Coating Zinc-Rich Primer. Superior's primer has been tested salt spray tested for over 4,000 hours to insure quality. After the primer application, Superior applies the Super durable Polyester TGIC powder coating electrostatically. After the application of the final coat, a total of 6 mils of finished Powder Coating has been applied, which is backed by 5,000 hours of testing (ASTM Method B117).
- The Limited Warranty for Powder Coating provides for the following after a five year exposure period when applied according to the recommendations listed on the product's technical data sheet and appropriate surface preparation has been utilized.
- The coatings shall retain their original color with a ΔE of < 7.5 units for high chroma colors, (Yellows, Reds, Oranges, Etc.) and a ΔE of < 5.0 units for low chroma colors, when tested in accordance with ASTM D 2244.
- The coating shall retain a minimum of 50% of its original gloss level after washing, when tested in accordance with ASTM D 523.
- The coating shall exhibit chalking no worse than a numerical rating of 6, when evaluated in accordance with ASTM D 659-80.