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## **Premier Polysteel Specifications for all benches—all mounts. Plastisol specifications included.**

Last updated January, 2014

### **Specifications for Champion Benches**

**Bench Seat & Back** HR steel 3/4" #9 standard expanded metal or 14 gauge perforated steel. Seat measures 10" across for standard Champion, 15" for Supreme. Attached perimeter frame and supporting structure is made from HR steel.

**Bench Legs** are made of 1.9" OD round tubing.

**Wall Mount Supports** are made of 1.9" OD round tubing and 3/16" x 2" HR flat and 1/4" x 3" HR flat steel.

All above are plastisol coated with UV and fungus resistant oven cured plastisol to a thickness of approximately 1/8". All hardware is .304 stainless steel.

*Pipe has no holes to allow access by bees or other insects.*

### **Specifications for Grand Contour Bench & Swing**

**Bench Stands** 4' & 6' benches: made of 2.375" OD pipe. Inline & 45 degree benches: made of 1.66 OD pipe.

**Swing Frame** Post: 2" sch 40 pipe Swivel: Galvanized cast iron with bronze bushing Chain: 3/16" proof coil grade 30.

**Expanded Seat** HR steel 3/4" #9 standard expanded metal.

**Welded Rod Seat** is .192 welded rod.

**Laser Seat** is 12 gauge HR steel. Side frame of 1/4" HR plate, width frame of 1/4" x 1" HR steel.

All above are plastisol coated with UV and fungus resistant oven cured plastisol to a thickness of approximately 1/8". All hardware is .304 stainless steel.

### **Specifications for Plastisol (PVC) Poly-Vinyl Chloride Coating**

Material: Plastisol (PVC) shall have:

**Antimicrobial** (non-leaching) to help prevent microbiological attack on the plastisol (PVC) surface that can cause the loss of aesthetic appearance, mildew odors, embrittlement and premature product failure. Testing Data available Per ASTM G21-90.

Tensile strength of no less than 1800 psi per ASTM D412.

Elongation of no less than 200% per ASTM D412

Tear strength of no less than 300lb/in per ASTM D624.

Hardness of 90 ± 5 (Durometer, Shore A (Instant)) per ASTM D2240.

**Flammability** – Pass per FMVSS 302

**UV stabilized** – guaranteed to not show significant fading for 5 years per written warranty

Process: Prior to plastisol coating, each part shall be chemically washed, dried, heated and coated in a heat activated primer and dried. After drying, each part shall be pre-heated in a convection oven to a temperature of no less than 400° F, dipped into liquid Plastisol (PVC) and cured in a convection oven at a temperature no less than 350° F. **All parts shall have a coating thickness of .125"- .25".**

Premier Polysteel products are completely plastisol coated (frames and legs included) with a thick, UV stabilized, mold and mildew resistant plastisol coating which is compliant with worldwide standards. Premier Polysteel is committed to being an environmentally conscious company and recognizes the importance of being committed to continually finding ways to support our environment.

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