



# PREMIER POLYSTEEL

The Best Commercial Outdoor Furniture Available. Period.



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## Premier Polysteel Specifications for Tree Grate and Tree Guard.

Last updated June, 2017

### Specifications for Tree Grate and Guard

**2-Piece Tree Grate** made of 10 gauge HR sheet

**Tree Guard** made of 3/16" x 1" HR steel

All above are coated with UV and fungus resistant plastisol to a thickness of 1/8". All hardware is .305 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  $90 \pm 5$  (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.