

Frame Supported Products

GENERAL: Shade Systems™ products are designed and manufactured to the most exacting specifications by skilled craftsmen, and certified by Professional Engineers for structural soundness of designs. All Shade Systems are shipped knocked-down, with complete assembly instructions, and ready for easy in-field installation.

MATERIAL: All materials shall be structurally sound and appropriate for safe use. Product durability shall be ensured by the use of corrosion-resistant metals such as stainless steel, and coatings such as zinc-plating, galvanizing, and powder-coating on steel parts, subject to the Project-Specific requirements below. Fabrics used shall include UV-stabilizers and fire retardants for longevity and safety.

WELDMENTS: All tubing members are factory-welded by Certified Welders to American Welding Society (AWS) specifications and to the highest standards of quality workmanship. Weldments are finished with a zinc-rich galvanized coating. No field welding is required in the assembly of Shade Systems products.

POSTS, STRUCTURAL FRAME TUBING, AND HARDWARE: All tubing used shall be cold-formed and milled per ASTM A-135 and ASTM A-500. Material testing is in accordance with ASTM E-8. Minimum yield is 40,000 psi with a minimum tensile strength of 45,000 psi on all posts. All tubing shall be pre-cut to appropriate lengths, and all outside surfaces shall be galvanized, with an interior corrosion-resistant zinc-rich coating. Where required, support pipes shall be schedule 40 hot-dip galvanized or powder-coated black steel. All fastening hardware shall be stainless steel.

POLYESTER POWDER-COATING PROCESS: Where applicable, all powder-coated parts are completely cleaned and a hot zinc phosphate pretreatment with non-chromic sealer is applied. Powder-coating is then electrostatically applied and oven-cured at 375 to 425 degrees Fahrenheit. Polyester powders shall meet or exceed ASTM standards for Adhesion, Hardness, Impact, Flexibility, Overbake Resistance, and Salt Spray Resistance. [Colors](#) shall be specified.

STANDARD FOOTINGS: Footings shall be designed per stringent Florida building codes for the specific structure. Columns will be provided as standard direct embedment. Other footing designs are available.

All hems and seams are double row lock stitched using exterior grade UV-stabilized polyethylene GORE™ TENARA® sewing thread (GORE and TENARA are trademarks of W. L. Gore & Associates).

FLAMMABILITY: CoolNet™ Shade Fabric is treated with fire retardants, and passes the requirements established under the NFPA 701 Test Method 2 test standards for flammability, including the accelerated water leaching protocol. Written evidence of compliance with this standard, including the accelerated water leaching protocol, must be furnished with bid proposal.

[Click Here to See the Colors](#)

COLOR	WEIGHT (g/m ²)	SHADE FACTOR %	UVR BLOCK %
Navy Blue	316	96	99
Forest Green	340	96	97
Aquatic Blue	348	88	94
Desert Sand	322	84	95
Rivergum Green	318	86	93
Eggshell White	342	79	95
Canary Yellow	342	77	93
Bright Red	342	81	91
Light Blue	348	95	97
Silver Grey	318	92	97

PLEASE NOTE: Because of our commitment to continuous product development and improvement, Shade Systems reserves the right to change specifications at any time without notice.