



Sun Veil Specifications

Heavy Duty Steel Frame

- Structure is designed in accordance with IBC-2006 for the following loads:

DL	0.05 PSF (Weight of Fabric)
LL	0 PSF
Collateral	0 PSF
Snow	0 PSF
Wind	90 & 110 MPH (3 second gust)
Seismic	Site Specific
- Structural steel pipes shall conform to ASTM A53
- Frames are powdercoated with a single coat based on polyester TGIC, a minimum of 4 mils thick, and cured at 600 degrees Fahrenheit.

Steel Frame Warranty

- Structural integrity of steel is warranted for 10 years.
- Workmanship and painted surfaces are warranted for 12 months.
- This warranty shall be void if damage to the steel is caused by misuse, vandalism, any act of God, including but not limited to ice, snow, or wind in excess of applicable building code parameters causing damage to the steel structure.

Shade Panels

- Description: Commercial 95 is a high quality, heavy duty knitted shade fabric specifically for tension structures, awnings and shade covers designed for commercial and architectural applications.
- Material is UV stabilized HDPE of monofilament & tape construction in a lock-stitch knitted pattern that will withstand temperatures from -22°F to +167°F.
- Strong HDPE fabric won't rot or absorb moisture.
- Heat set to reduce shrinkage and for ease of fabrication.
- Nominal fabric mass 10 ½ oz/sq.yd (340 gsm) (ASTM D3776-1985)
- Approximate thickness 63 mils
- Tensile Strength – Warp 173 lbs. Elongation at Break 101% (ASTM D5034-1995 – grab test)
- Tensile Strength – Weft 414 lbs. Elongation at Break 46%
- Tongue Tear – Warp avg. 46.1 lbs. (ASTM D2261-1996)
- Tongue Tear – Weft avg. 35.7 lbs.
- Trapezoidal Tear – Warp avg. 84.8 lbs. (ASTM D5587-2003)
- Trapezoidal Tear – Weft avg. 159 lbs.
- Bursting Pressure (mean) 457 psi (ASTM D3786-2001)
- Bursting Force (mean) 432 lbf (ASTM D3787-2001)
- Flammability tested to: AS 1530 Part 1 & 2 NFPA 701-99 Method 2 (ASTM E 84-00)

Fabric Warranty

- Sun Veil cloth canopies are warranted for 10 years on a prorated basis against UV degradation.