

Fabric versus Solid Roof Structures

1. **Reduces Heat.** In addition to the shade and excellent UV protection afforded, our various knit or woven fabrics allow hot air to flow through unimpeded, pulling outside air in, creating constant air movement and reducing the sun's heat by at least 15 – 20 degrees and as much as 40 degrees. Solid metal roofs hold hot air in and create an undesirable radiant heat effect. (This flow-through benefit does not apply to waterproof – fabric structures.) However, most SSS structures are designed and configured such that super-heated air is not trapped beneath.
2. **Costs Less Initially.** Typical fabric and tube structures cost 60-65% that of solid-roofed structures. SSS products cost 20 – 35% in comparison (these are approximations):
 - a. Solid metal roof 20'x30' Pavilion, installed: 600 sqft @ \$28 per sqft. = \$16,800
 - b. Typical fabric and tube shade company, 20'x30' Pavilion, installed: 600 sqft @ \$15 = \$9,000.
 - c. SSS 20'x30' Sail Shade/Tension Structure, installed: 600 sqft @ \$8.25 = \$4,950 (or less).One reason SSS is so much more affordable is that polyethylene shade fabric is used whenever possible. This not only reduces cost but dramatically increases shade material longevity by as much as 2 – 3 times polypropylene's more costly counterpart materials.
3. **Costs Less to Maintain.** No painting, staining, termites, mold or mildew and much less, if any, insurance premium.
4. **Costs Less to Renovate.** New shade material (fabric replacement) can be fabricated in hours and costs only a fraction of the structure cost.
5. **Faster Installation.** Once ordered and building permits obtained, if necessary, structure can be installed in days versus weeks with minimal delays and site disruption.
6. **Endless Options.** Wood or metal structures look much the same from site to site. Solar Shade structures come in an endless variety of shapes, sizes, and colors. Optional amenities include: sound systems, electrical outlets, lighting systems (rope, fiber-optic & standard), outdoor fans with or without cooling misters, and lightning protection in addition to the inherent protection afforded by a standard structure.
7. **Custom Logos.** We can screen print or sew mascots, club names, attraction names, advertisements, etc., in one or more colors, on any shade structure fabric. Our custom logo department will use your art, or create original art, with substantial discounts for multiple orders of the same design.
8. **Beauty.** Fabric architecture is functional and very attractive whether modest in appearance or designed to be eye-catching as with car dealerships or other such businesses. Some applications may require a bit more elegant and aesthetically pleasing design. That's why fabric structures were chosen for the Denver Airport, the Metrodome, and the Millennium Dome, just to name a few of the many thousands in use worldwide. Fabric architecture is being used more and more by architects for that one-of-a-kind look without that one-of-a-kind price.
9. **Safety.** States at risk for hurricane or other high-wind storms are implementing "Airborne Debris" clauses for their state building codes. This type of clause prohibits the installation of structures that may go to pieces in high winds, sending dangerous debris into the air to cause additional damage and endangering lives.
 - a. Fabric structures are designed so shade fabric can be very quickly and easily removed in case of an approaching hurricane. This means the structure will suffer no wind damage. And once the storm has passed, the shade fabric can be re-attached in just a few minutes. S.S.S. offers hurricane removal and reinstallation of fabric at a nominal cost.
 - b. Protection from hail – especially important for auto dealerships, dramatically reducing their inventory insurance premiums.
 - c. Protection from lightning and weather – perfectly suited to golf courses, sports fields, top floors of parking garages, and a great many other life and property protection applications.