



### Part 1: General Information

#### 1.01 Program Focus

- A. Sustainable products provide environmental social and economical benefits while protecting public health, welfare and the environment over full commercial cycle of the product – from extraction to final disposition. By using more efficient building methods and materials it is estimated that the energy, resource consumption and / or waste production could be reduced by 50-60% without decreasing value, aesthetics or function. With the understanding of the Earth's finite resources and the knowledge that manufactured products, such as the rollershade industry, have an effect on our resources. It is becoming increasingly important to make wise decisions regarding the use of such limited resources in order to protect the environment and sustain ourselves.

#### 1.02 Goal:

- A. Use the design and construction process to educate clients, employees, subcontractors, and general public about environmental impacts of building and how these impacts can be minimized.
- B. Provide a durable and aesthetic roller shade product that adds to the sustainability life cycle of a building/project.

#### 1.03 Criteria

- A. Design
- B. Materials
- C. Jobsite and Business Practices

#### 1.04 Manufacturer

- C. SOS™ "Sun Or Shade", a division of Inside Outfitters, Inc.  
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### Part 2: Criteria

#### 2.01 Design

- A. Optimize Material Use: Packaging Program - Smaller Is Better. Reduce the amount of packaging while securely protecting the product from shipping damage. Eliminates excessive waste and reshipment costs. Minimize waste by designing for standard sizes. Avoid waste by using optimum-value engineering techniques.
- B. Energy efficiency: Passive Solar Heating: Integrate automated system controls with HVAC and lighting equipment to optimize available resources and lower costs. Can be incorporated with solar heating and cooling to incorporate renewable energy.
- C. Reuse and Adaptability: Choose materials and components that can be reused or recycled. Disposal and Replacement Programs.
- D. Renovate Older Buildings: Provide products to retro fit existing building construction.

#### 2.02 Materials

- A. Use Durable Products and Materials in Manufacturing: A product that lasts longer or requires less maintenance saves energy and contribute less to the solid waste problem.





- B. Avoid Harmful Chemicals and Waste: Use equipment that does not emit or require harsh chemicals for operation. Be sure to reclaim ozone depleting chemicals such as CFC or HCFC's when servicing or disposing of equipment
- C. Buy locally produced building materials: Transportation is costly in both energy use and pollution generation. Look for locally produced materials to replace products imported to your area.
- D. Use building products made from recycled Materials: Reduce landfill pressure and save natural resources by using salvaged materials. Make sure that the materials are safe (lead and asbestos) and do not sacrifice energy efficiency covering old windows with e salvaged building material when possible
- E. Avoid Materials that will off gas pollutants: Solvent based finished, adhesives, carpeting, particle board, and many other building products release formaldehyde and volatile organic compounds into the air. These materials can affect workers and occupants' health as well as contribute to smog and ground level ozone pollution outside.
- F. Minimize Packaging Waste: Avoid excessive packaging. Value engineer shipping packages for standard sizes, minimum packaging to resist bursting in shipment and thus excessive waste, and incorporate recycled, biodegradable, or recyclable materials. Return Deposit packaging program.

### 2.03 Jobsite and Business Practices

- A. Minimize Job waste: On the jobsite or during product installation centralize crew work operations to reduce waste and simplify sorting procedures to save time. Recycle jobsite or installation packaging at proper jobsite locations; if not available return waste to shop to reuse or recycle.
- B. Be Prepared: Have the product ready to be installed on schedule to progress the natural work flow of any given project. This will eliminate waste across the entire project participants.
- C. Transportation: Eliminate excessive travel costs by gathering necessary tools and equipment before proceeding to the jobsite. Car pool when necessary and purchase company vehicles that are fuel efficient. Schedule site visits and errands to minimize unnecessary driving.
- D. Suppliers and Vendors: Ask the suppliers and vendors if they take the necessary precautions to be involved in the sustainable product cycle. Through supporting vendors that are conscience of sustainable products others will follow the trend.
- E. Make business operations more environmentally responsible: Make your office as energy efficient as possible. In the office purchase recycled paper and supplies and recycle office paper waste. Use coffee mugs instead of disposal cups and recycle beverage containers on the job site.
- F. Training: Actively incorporate training and classes to educate employees, vendors, suppliers, and customers about the best method to ensure sustainability for a products lifecycle.
- G. Engineering: Continually pursue better ways to accomplish sustainability throughout the products lifecycle.

## Part 3: Roller Shade Specification

### 3.01 Materials

- A. Shade Fabrics: The fabric color shall be selected from standard color line. The fabric is to be colorfast and shall not be affected by moisture or heat. The fabric must have sufficient rigidity to insure straight hanging, resist curl, twist, bowing and distortion. It must be dimensionally stable and will not shrink or stretch. All seams are to be heat-sealed; sewing is not accepted. (See specification information: "Fabric Care and Maintenance Sheet" for proper fabric care instructions)
  - 1. Hexcel: PVC Free Fabrics
    - a. Trans 1277 – O.F. 1%
    - b. B01260 – O.F. 0%
    - c. Dim-Out 1301 – O.F. 1%
    - d. Dim-Out 1309 – O.F. 1%
    - e. Nature Screen – O.F.1%
  - 2. Mermet: PVC Free Fabrics
    - a. Obion – O.F. 1%





- b. Flocke – O.F. 0%
    - 3. Verosol: 100% Trevira Fabrics. PVC Free.
      - a. TRANS 816 – O.F. 24%
      - b. SEMI812 – O.F. 5%
      - c. NON809 – O.F. 4%
      - d. B0875 – O.F. 0%
    - 4. Ferrari Fabrics
      - a. Soltis-86 (14%)
      - b. Soltis-92 (3%)
      - c. Soltis-B92-N (0%)
      - d. Soltis-99
    - 5. Meritec Fabrics
      - a. 8014 – diffusion
      - b. 8015 – diffusion
      - c. 8016 – diffusion
      - d. 8017 – diffusion
      - e. 8018 – diffusion
      - f. 8021 – diffusion
      - g. 7990 – O.F. 3%
      - h. 7991 – O.F. 5%
      - i. 7992 – O.F. 4%
- B. Tube: The fabric shades shall be mounted on to 1 ¼”, 1 ½”, 2”, or 2 ½” diameter aluminum tube depending on the width of the shade and fabric chosen for the shade.
- C. Bead Chain Clutch: The clutch incorporates an adjustable slip clutch to control the rate of fall from free running zero friction factor to a factor of 100%. The shade may be adjusted to stop and hold at any position. The bead chain shall contain automatic stops to prevent the shade from over winding or unrolling off the tube. The bead chain may be either PVC or metal ball type. (Finishes: See specification section “ACCESSORIES”, Beadchain and Clutch for color selection.)
- D. Easy Lift™: This option is added to all shades that are over 30 pounds.
- E. Shade Mounting Brackets: Shall be manufactured from .060” galvanized steel, reversible for right and left hand mounting. The brackets may be field mounted inside, outside or ceiling mounted. Fascia brackets shall be painted to match Fascia color.
- F. Hembar: Shall be a continuous aluminum bar 1” X 3/16” with sufficient weight to allow the shade to close without buckling or sagging.
  - 1. (Option): Exposed Hembar. This hembar is mounted on the exterior of the bottom hem of shade. It is constructed of extruded aluminum and is weighted to properly raise and lower the shade without buckling or sagging. (Finishes: See specification section “ACCESSORIES”, *Exposed Hembar* for color selection and detail.)
- G. Fascia System (Option): All fascia systems shall be prime painted with baked enamel utilizing the powder paint method to ensure an environmental friendly application. Wet paint method shall not be accepted. (Finishes: See Specification Section “ACCESSORIES”, *Fascia Systems* for color selection and detail.)
  - 1. L-Angle Fascia: Fascia panels shall be made from extruded aluminum. Fascia face shall be 3” or 4” to accommodate shade roll. Fascia shall clip to brackets and snap easily into place. It shall be easily removed for any necessary maintenance. Color must be chosen from standard colors.





2. Deco Fascia: Fascia panel shall clip easily into standard fascia brackets and shall be easily removable for necessary maintenance. Fascia shall be made of aluminum. Color must be chosen from standard colors.
- H. Pocket System (Option): This system allows the shade to be recessed into the ceiling. (Finishes: See Specification Section “ACCESSORIES”, *Pocket Systems* for color selection, size and details.)
1. Headbox/Closure Flap: An extruded aluminum box that is sized to completely conceal rollershade when the shade is in the open position. Shade shall recede into headbox without rubbing. The “Closure Flap” is a removable closure to cover the roll.
  2. Headbox/Closure Flap—Ceiling Grid Support: An extruded aluminum box that is sized to completely conceal rollershade when the shade is in the open position. Shade shall recede into headbox without rubbing. The “Closure Flap” is a removable closure to cover the roll. Headbox provides 1 1/8” aluminum grid strip to support ceiling tile.
  3. Hook/Closure Flap Assembly: Extruded aluminum Hook is fastened to drywall pocket. Closure Flap hangs from hook to provide pocket closure.
  4. Hook/Closure Flap—Ceiling Grid Support: Extruded aluminum Hook attaches to drywall pocket with 1 1/8” aluminum grid strip to support ceiling tile, Closure Flap hangs from hook to provide pocket closure.

