

PRODUCT: ROOM DARKENING SHADES AND GLASSLIGHT BAN

SPECIFICATIONS

1. DESCRIPTION:

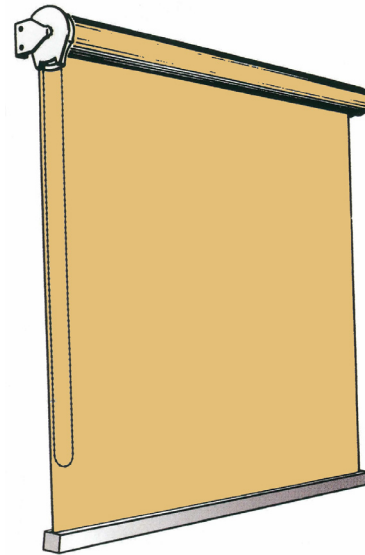
- A. Room darkening blackout roller shade
- B. Washable and easy to clean
- C. Total privacy control
- D. Insulates to reduce heat loss in winter and heat gain in summer
- E. 14 ounces per square yard
- F. Superior lay flat fabric

2. SHADE FABRIC:

- A. Base material consists of **100% glass fiber base cloth** with minimum of 58 threads total for the warp and filling directions
- B. Coating compound shall be a polymerized vinyl chloride resin with appropriate plasticizer and pigment
- C. Opacity: **Diffused luminous transmission of a single layer of finished shade cloth shall average no more than 0.005 of 1% of light**
- D. Characteristics of Finished Shade Cloth:
 - I. Tensile Strength
 - a. Warp 190 pounds
 - b. Filling 180 pounds
 - II. Tearing Strength
 - a. Warp 1200 grams
 - b. Filling 600 grams
 - III. Stiffness (warp only)
 - a. Maximum 20 centimeters
 - b. Minimum 10 centimeters
- E. Flame resistance:
 - I. Shade fabric conforms to Federal NFPA 701 small scale standards.
 - II. Finished roller shade cloth further meets and exceeds the Federal specifications CCC-C-521E in all aspects.

3. ROLLER TUBES

- A. Shall be extruded **recycled aluminum** engineered with a channel accent fabric
- B. Tube size will be determined by the manufacturer based on window size and shade fabric selection.



4. CLUTCH SYSTEM

- A. Made of glass reinforced polyester thermo-polymer (PBT) for wear resistance
- B. Comprises of multi-banded, steel springs that lock the shape into any position when operating the control loop
- C. The clutch mechanism is bi-directed and never requires adjustment or lubrication

5. CONTROL LOOP

- A. Shall be a **#10 stainless steel band channel**
- B. Bead stops attached to chain that protect against over operation
- C. Optional plastic bead chain is also available in vanilla or black

6. IDLER

- A. End shall be made from **high strength, glass reinforced, polyester thermo-polymer (PBT) for wear resistance, smooth operation, and corrosion resistance**

7. LIFT ASSIST SYSTEM

- A. Shall be a **heavy duty torsion spring coated inside the roller tube**
- B. This mechanism reduces the pull force allowing easy lining of larger shades

8. SPLINE SYSTEM

- A. Consists of a PVC spline heat welded to the shade fabric and inserted into a channel on the roller tubes.
- B. **The spline system allows for adjustability on site and ease in changing fabric panels in the field.**

9. HEM BAR

- A. Shall be an aluminum extrusion enclosed in a fabric hem pocket
- B. **Heat welded seams and ends**
- C. Optional fabric wrapped hem bar battens

10. BATTENS

- A. **Heat welded pocket** providing additional stabilization on large shades
- B. Baton placement will be determined by manufacturer, based on window size and shade

11. INSTALLATION BRACKETS

- A. Shall be .125" thick steel and can accommodate overhead size and face mounting
- B. Optional dual shade brackets shall hold two shades in one bracket assembly
- C. Coupled shades shall be connected with a lining bracket mechanism

12. OPTIONAL ACCESSORIES

- A. Fascia panel shall be either 3", 4", or 7.635" dual shade snap on design and made of .025" extruded 6063 T-5 aluminum alloy with a powder-coated finish.
- B. Brackets shall be universal and painted to match the fascia panels
- C. Fascia in available in white, vanilla, clear, anodized, bronze or black

13. MAINTENANCE AND CLEANING

- A. Shades may be vacuumed with a soft brush attachment
- B. **Shades can be cleaned with mild soap and water only using a moist (not wet) soft cloth.**
- C. **DO NOT USE ANY CLEANING METHODS INVOLVING HEAT, BLEACH, OR SOLUTIONS. USE OF THESE MATERIALS WILL VOID THE WARRANTY.**

14. LIMITED LIFETIME WARRANTY

- A. Warranty covers against original defects in material or workmanship for the life of the shade not to exceed 25 years from the date of shipment
- B. This does not warrant damage due to accidents, misuse, abuse, improper installation, alternations or improper cleaning