

## **Cordless Roller Shades**

### **Section 12 20 00 – Roller Shades**

Last Revised: 10/1/2023

A Better Blind | 5350 NW 165<sup>th</sup> St., Hialeah 33014 | 305-623-4855 | [www.ABetterBlind.com](http://www.ABetterBlind.com)

#### **PART 1 GENERAL**

##### **1.1 Section Includes**

- A. Cordless operated, roll-up fabric interior window roller shades

##### **1.2 Related Sections**

- A. Section 06 10 00 – Rough Carpentry: Mounting support for shades.
- B. Section 09 21 16 – Gypsum Board Shaft Wall Assemblies: Mounting shades in ceiling pockets.
- C. Section 09 51 23 – Acoustical Tile Ceilings: Mounting recessed ceiling shades in pockets that integrate with ceiling tile grid systems.

##### **1.3 References**

- A. Fire retardant - California Title 19 for prevention of fire and protection of life and property.
- B. OEKO-TEX ® Standard 100 - Tested to be free of up to 350 toxic chemicals.
- C. UL GREENGAURD GOLD – Built for safer, cleaner air. Screened against more than 15,000 VOC's known to pollute indoor air.
- D. ROHS Compliant – Tested against banned, harmful metal substances.
- E. ASTM G-21 – Fungal resistant
- F. ASTM G- 2180 – Antimicrobial tested

##### **1.4 Submittals**

- A. Submit under provisions of Section 01 33 00.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
  - 1. Preparation instructions and recommendations.
  - 2. Installation and maintenance instructions.
  - 3. Styles, material descriptions, dimensions of individual components, profiles, features, finishes and operating instructions.
  - 4. Storage and handling requirements and recommendations.
  - 5. Mounting details and installation methods
- C. Shop Drawings: Plans, elevations, sections, product details, installation details, operational clearances and relationship to adjacent work.
- D. Window Treatment Schedule: For all roller shades. Use same room designations as indicated on the Drawings, field verified window dimensions, quantities, type of shade, controls, fabric, and color, and include opening sizes and key to typical mounting details.
- E. Selection Samples: For each finish product specified, two complete sets of shade cloth options and aluminum finish color samples representing manufacturer's full range of available colors and patterns.
- F. Verification Samples: For each finish product specified, two complete sets of shade components, unassembled, demonstrating compliance with specified requirements. Shade fabric sample and aluminum finish sample as selected, representing actual product, color, and patterns. Mark face of material to indicate interior faces.

- G. Maintenance Data: Methods for maintaining roller shades, precautions regarding cleaning materials and methods, instructions for operating hardware and controls.

#### 1.5 Quality Assurance

- A. Manufacturer Qualifications: Obtain roller shades through one source from a single manufacturer with a minimum of twenty years experience in manufacturing products comparable to those specified in this section
- B. Fire retardant - California Title 19 for prevention of fire and protection of life and property. Materials tested shall be identical to products proposed for use.
- C. Mock-Up: Provide a mock-up of one roller shade assembly for evaluation of mounting, appearance and accessories.
  - a. Locate mock-up in window(s) designated by Architect.
  - b. Do not proceed with remaining work until, mock-up is accepted by Architect.
- D. Single Source – To the greatest extent possible, provide products specified in this section from a single manufacturer.

#### 1.6 Delivery, Storage & Handling

- A. Window shades are not to be delivered to site until building is enclosed and respective rooms are substantially complete.
- B. Store products in manufacturer's unopened packaging until ready for installation.
- C. Label shipment and shades according to Window Shading Schedule
- D. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

#### 1.7 Project Conditions

- A. Site environmental limitations: Install roller shades only after finishing work such as painting is complete.
- B. Install roller shades after finish work and ambient temperature, humidity and ventilation conditions are maintained at levels recommended by manufacturer for project for optimum results.

#### 1.8 Warranty

- A. Provide an initial one-year warranty on all products and services, including installations, to be free from defects. Products or services found to be defective under normal use during this initial warranty period will be repaired or replaced under A Better Blind discretion.

### PART 2 PRODUCTS

#### 2.1 Manufacturers

- A. Acceptable Manufacturer: A Better Blind: 5350 NW 165<sup>th</sup> ST, Hialeah 33014. Tel: 305-623-4855  
Website: [ABetterBlind.com](http://ABetterBlind.com) Email: [info@ABetterBlind.com](mailto:info@ABetterBlind.com)
- B. Substitutions: Not Permitted.

## 2.2 Cordless Operated Roller Shades

- A. Cordless roller shade: Fabric window shades with 3" smooth PVC valance that roll up vertically, with components necessary for a complete installation.
  - a. Roller Shade Design: Single, cordless roller shade system with 3" PVC valance. The cordless design of the shade enhances safety, especially for children and pets, as there are no dangling cords or chains that pose entanglement hazards. Additionally, the absence of cords and chains creates a cleaner, more streamlined appearance.
  - b. Cordless Operation: Simple and user-friendly mechanism for raising and lower shade to the exact desired position. The spring mechanism within the roller assembly is responsible for the smooth and controlled movement of the shade.
    - 1. Spring clutch mechanism. Bi-directional spring clutch fabricated from multi-banded, steel springs; size determined by width, height of shade and weight of fabric.
    - 2. Idler assembly is nylon molded with a cross end design to facilitate ease of installation or removal of shade for service.
- B. Components: Fabricated in such that shades hang flat without buckling or distortion
  - a. Roller shade tube: Fabricated from extruded aluminum, steel is not acceptable. Diameter, wall thickness, and material selected by manufacturer to accommodate shade size with minimum deflection. Fabric Connection to roller tube with LSE (low surface energy) double sided adhesive specifically developed to attach coated textiles to metal.
  - b. Mounting Brackets: Fabricated from stamped steel with powder coated finish in white color.
  - c. Smooth Curved Valance: Provided to conceal the roller shade tube and roller shade fabric while providing an aesthetically pleasing finished product. The valance shall be attached to the valance mounting brackets by sliding the valance mounting bracket into the valance base.

Valance returns are available and attached to the main valance body when the roller shade tube is exposed at the ends when the shade is mounted to the outside part of a window. The valance returns shall be attached to the main valance with valance clips. Valance returns will be made of the same materials, color and shape as the main valance.
- C. Fabric Band Hem/Weight Bar:
  - a. External hem bar: 3 sided, "U" shaped hem bar. Extruded PVC material in white color, color coordinates with shade fabric. Hem bar is enclosed with matching end caps to secure fabric in place.
  - b. Hem bar handle: Clear, hard plastic handle has an elongated open slot for optional operation with telescopic pole. Hem bar handle is also used for manual operation of the shade.
- D. Fabric Band Roll Direction:
  - a. Fabric to roll off back of roller tube (fabric hangs closer to glazing), Regular Roll

## 2.3 Fabric

- A. Light-Filtering, translucent fabrics:

1. Light filtering fabric, <1% openness factor. 100% polyester: GREENGAURD GOLD children & schools certified as low emitting fabric. Fire rating California Title 19. Bacteria and fungal resistant: ASTM G-21 & ASTM E-2180. 6.48 oz/yd<sup>2</sup>, 0.016" thick (+/- 5%).

### Part 3 Execution

#### 3.1 Examination

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation prior to proceeding.

#### 3.2 Preparation

- A. Coordinate requirements for blocking and structural supports to ensure adequate means for installation of window shades.
- B. Surfaces shall be cleaned thoroughly prior to installation.

#### 3.3 Installation

- A. Install after interior construction is essentially complete.
- B. It is crucial that roller shades are installed level, plumb & square to ensure fabric is tracking properly among other aspects. Allow proper clearances for any window hardware.
- C. It will be the roller shade installers responsibility to adjust and balance roller shades to operate properly and safely.
- D. Clean roller shades if needed to manufacturer's instructions after installation.
- E.

#### 3.4 Testing and demonstration

- A. Test window shades to verify that controls, limit stops, interface to other building materials, and other operating components are functional. Correct deficiencies.
- B. Demonstrate operation of shades to Owner's designated representatives.

#### 3.5 Protection & Cleaning

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.
- C. Remove dust with vacuum cleaner or compressed air. Do not scrub. Do not use solvent or any abrasive substance which might damage the coating on the fabric. Clean with a sponge or soft brush dipped in soapy water using mild detergent. Rinse with clean water. Leave the shade down until completely dry.

#### 3.6 Schedule

- A. Refer to Drawings for shade types and locations.

END OF SECTION