

MANUAL SHADING SYSTEM

1.0 SHADES SYSTEMS

GENERALLY

- 1.1 TELESHADE system shall be a smooth operating chain and sprocket roller shade system manufactured by SOLARFECTIVE PRODUCTS LTD.
- 1.2 All shades systems specified in this section shall be provided by one manufacturer who shall take full responsibility for the total project.

2.0 MANUAL SHADE SYSTEM

2.1 Operation:

- 2.1.1 Easy-Lift (Chain-operated) Action with infinite positioning. Left- or right-hand operation available.

2.2 Assembly:

- 2.2.1 Provide fully factory assembled shade unit consisting of two end brackets, shade tube, extruded aluminum fascia, hembar and opaque fabric specified.
Mounting type: - Between mullions
- Face of mullions
- Ceiling
- Above-The-Ceiling Lay-In (with Lay-in clip brackets)
- Above-The-Ceiling PUSH-UP (with U-Mounted brackets)
Removal must not require the disassembly of the shade unit.
- 2.2.2 End Bracket: the 77 x 96 mm end bracket shall be a two piece moulded ABS construction with a 64 mm diameter nylon drive sprocket. Brackets color shall co-ordinate with the fascia color.
- 2.2.3 Shade Tube: 38mm the extruded aluminum shade tube shall be 1.52 mm thick with three internal continuous fins 4.82 mm high, for strength and drive capabilities when attached to the nylon sprocket. The fins shall be spaced 120 degrees apart.
- 2.2.4 Fascia: the extruded aluminum fascia shall be 1.7 mm thick, complete with three continuous screw flute, anodized or custom painted.
- 2.2.5 Drive Assembly: - Shall be factory set for size and travel of shades.
- Capable of being field adjusted from the exterior of the shade unit without having to disassemble the hardware.
- Provided with a built-in shock absorber system to prevent chain breakage, under normal usage conditions.
- 2.2.6 Drive Chain: Shall be No.10 stainless steel bead chain formed in a continuous loop. The chain shall have a 90 # test.
- 2.2.7 Exterior Hembar: extruded aluminum with plastic end finials.
Finish *Anodize Clear *Light Bronze *Dark Bronze *Ceiling White
*Gloss White *Beige *Dark Grey *Charcoal *Black
- 2.2.8 Warranty: Manufacturer shall provide warranty that all components are free of manufacturing defects for One year (unless otherwise stated) from date of installation. This warranty is void if the product has been improperly installed.

J.B. TINNEY, INC.

ARCHITECTURAL FABRIC SYSTEMS

3.0 **SOLARFECTIVE SHADING FABRICS**

- 3.1 300 Series Solarblock 3% Open,
500 Series Solarshield 5% Open,
1000 Series Solarview 10% Open,

Shade cloths shall be woven of 0.018 opaque, vinyl coated polyester yarn consisting of approximately 79% vinyl and 21% 500 denier polyester core yarn. The fabric shall be tensioned in the finishing range prior to heat setting to keep the warp ends straight and minimize or eliminate weave distortion to keep the fabric flat. The fabric shall be dimensionally stable. Color to be as selected from standard range.

		300 Series Solarblock	500 Series Solarshield	1000 Series Solarview
Openness Factor		30/o + 0.0% - 0.5%	6% + 0% - 1%	10%
Weight per/sq./yd.		21 oz.	19 oz.	17 oz.
Warp ends per inch.		42	36	36
Fill ends per inch.		31	30	25
Stretch % (271 lb. wt.):	Warp:	2%	2%	3%
	Fill:	3%	3%	3%
Set %	Warp:	1.5%	1.5%	1.5%
	Fill:	1.5%	1.5%	1.5%
Abrasion Resistance (500 Tarber Cycles)	Yarn:	None	None	None
	Rupture:	None	None	None
	Wear:	Trace	Trace	Trace
U.V. Deterioration: (200 Sun Fade Hours)	Fade:	None	None	None
	Tensile	96%	96%	96%
	Retention:			

- 3.1.1 Performance: As a "shade cloth" the fabric shall hang flat, without buckling or distortion. The edge, when trimmed, shall hang straight without ravelling. An unguided roller shade cloth shall roll true and straight, without shifting sideways more than +1/8" in either direction due to warp distortion, or weave design.
- 3.1.2 Dual Shade: Where specified, shade shall be a two-layered combination of metallized polyester film and 500 or 1000 series fabrics. Selected fabric shall be sewn to film at top and bottom with 1/2" OD hemtube inserted at bottom. Delrin caps shall be affixed to hemtube ends. Exterior face of film shall be embossed with horizontal ribs. Colors shall be selected from standard range.
- 3.1.3 Room Darkening Shade: 100% opaque material shall be 3 ply (4 mil thickness) vinyl laminated to both sides of 100% fiberglass base 13 gauge thickness. If sewn, needle holes shall not permit light penetration. Washable with mild soap and water. Colors to be as selected from standard range in widths up to 72".
- 3.1.4 Flame Retardance: Fabric shall be certified by an Independent Laboratory to pass the Small Scale Vertical Burn Requirements test CAN and ULC-S1 09-M87 and NFPA 701.

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