# SC3000 MASTERSHADE®

Exterior Rolling Screen / Large Cassette

The SC3000 is our large box traditional exterior retractable vertical rolling screen system. The fabric runs inside vertical guide Tracks or Cable Guides by means of gravity. When the shade is retracted the fabric is stored in the built-in protective box. The weighted hem bar keeps the fabric taut. This Mastershade model is made of the highest quality extruded aluminum.

The SC3000 has a 5 3/8" x 5 1/8" Cassette box.

Type	Standard Frame Colors	Standard Widths	Standard Heights	Recommended Applications	Recommended Fabrics
Screen Exterior Retractable	9 standard Sunair colors	Through 18' 24' with split	Through 16' Depending on Fabric type	Residential & Commercial Windows	Various Mesh & Acrylic Fabrics

- Larger standard box screen.
- Capable of wider widths with fabric split.
- Gear or Motorized operation.
- Cabled or standard track available.

5 year limited frame warranty
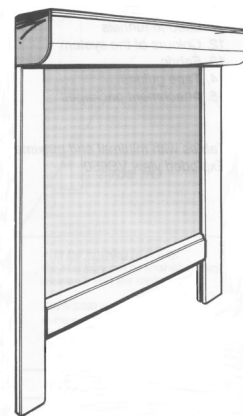
Revised : Dec 14, 2018

BENEFITS OF SOLAR SCREENS

Screen fully lowered down

Screen partially lowered down

- **Reduces indoor temperatures and saves energy cooling your space.**

- **Cuts down on solar glare while retaining your view depending on mesh fabric type and openness factor.**

- **Cuts down on interior fading of floors, carpets and furniture.**

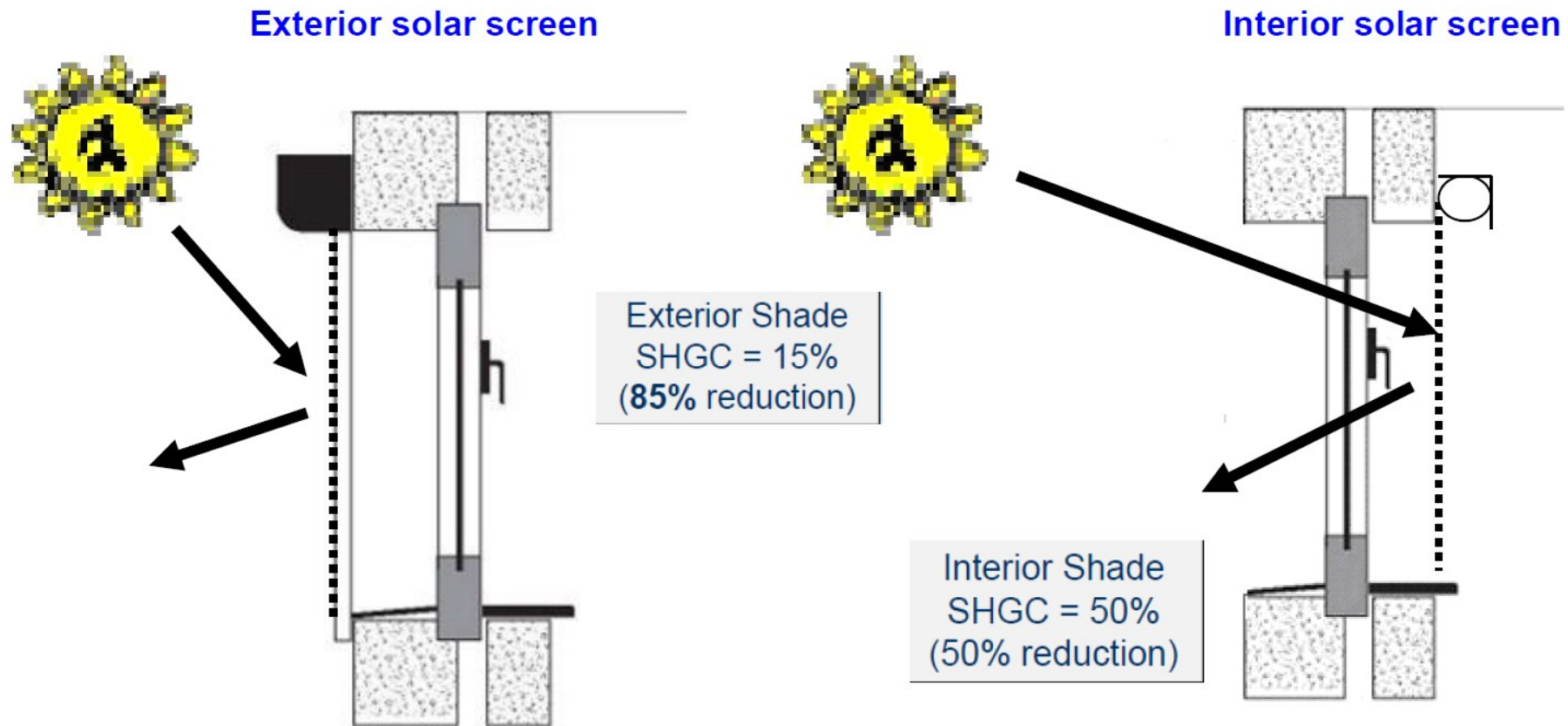- **Can offer complete black out privacy blocking all light.**

Screen partially down showing glare

Screen fully down and no glare

BENEFITS OF SOLAR SCREENS cont:

Exterior solar screen

Interior solar screen

Exterior Shade
SHGC = 15%
(**85%** reduction)

Interior Shade
SHGC = 50%
(50% reduction)

Solar screens can be installed both on the exterior and interior applications of residential and commercial spaces. The benefit with exterior solar screens is that the fabric blocks the sun before it enters the home or space through the glass. Sometimes it is not feasible to install an exterior screen. In such a case, interior screens offer a good alternative. Interior screens are also more economical.

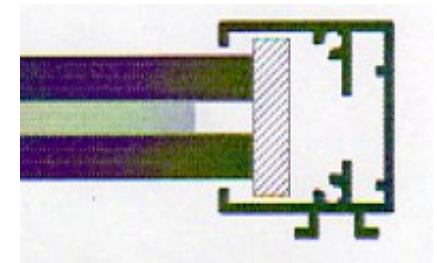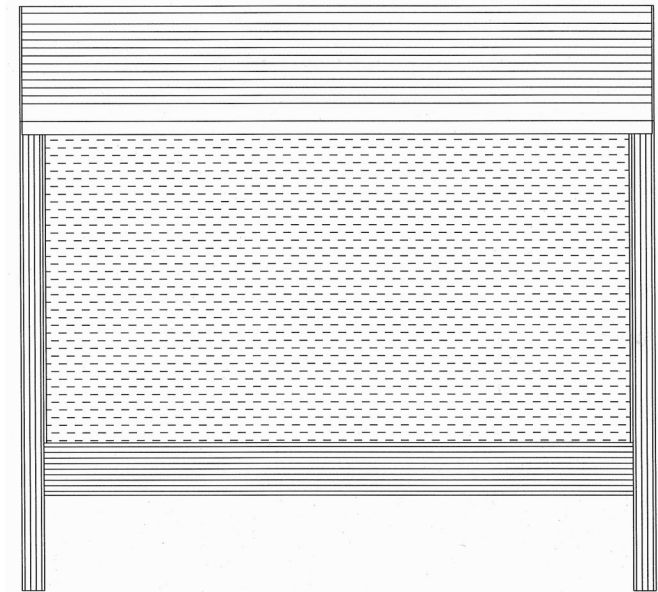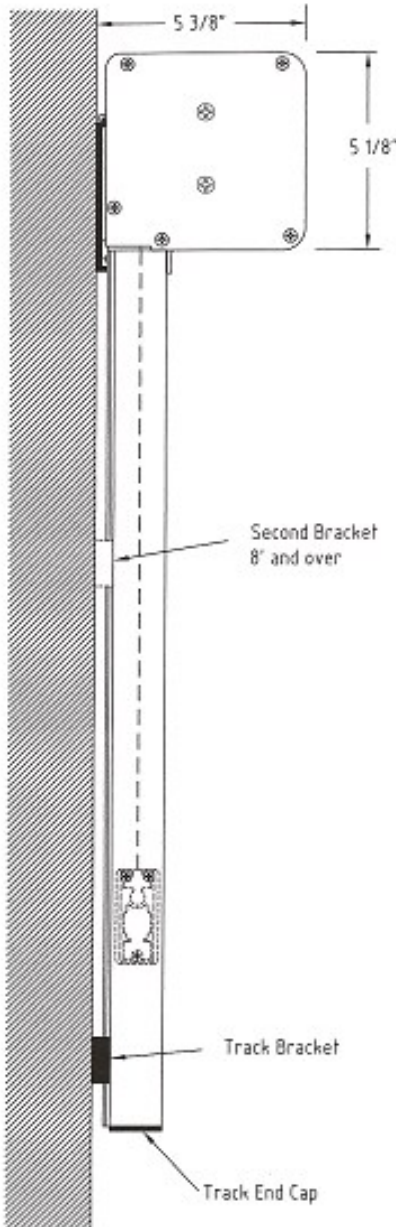# SC3000 Mastershade® Installations
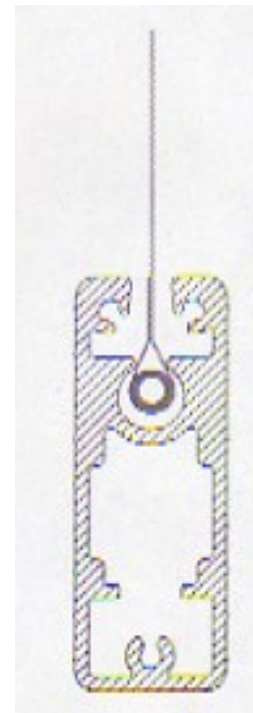
SC3000 Large Box
With Cable Guides

5 3/8"

5 1/8"
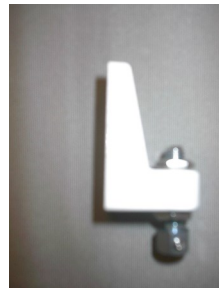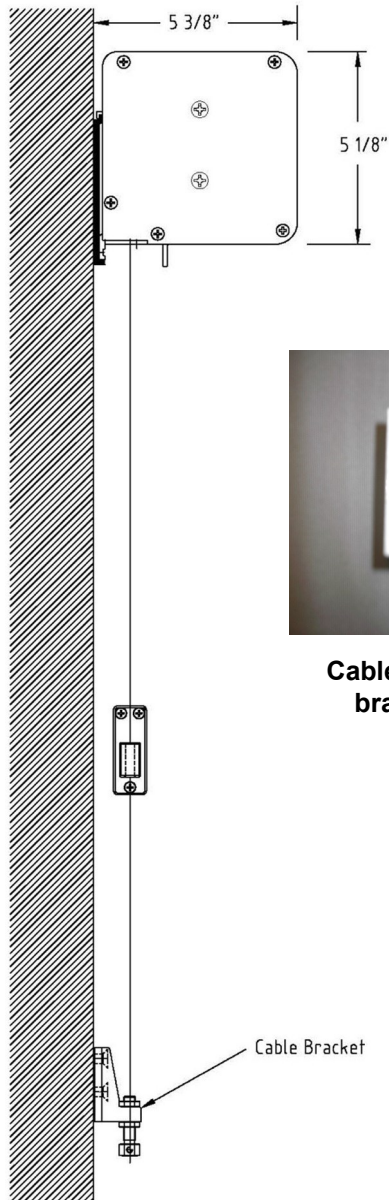
Cable guide bracket

Cable Bracket

SC3000 Large Box
With Standard Track

5 3/8"

5 1/8"

Second Bracket 8' and over
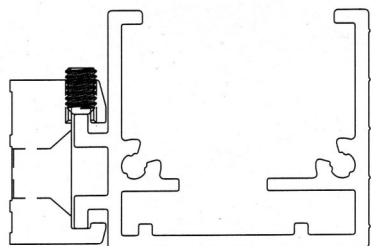
Track Bracket

Track End Cap

Standard Track

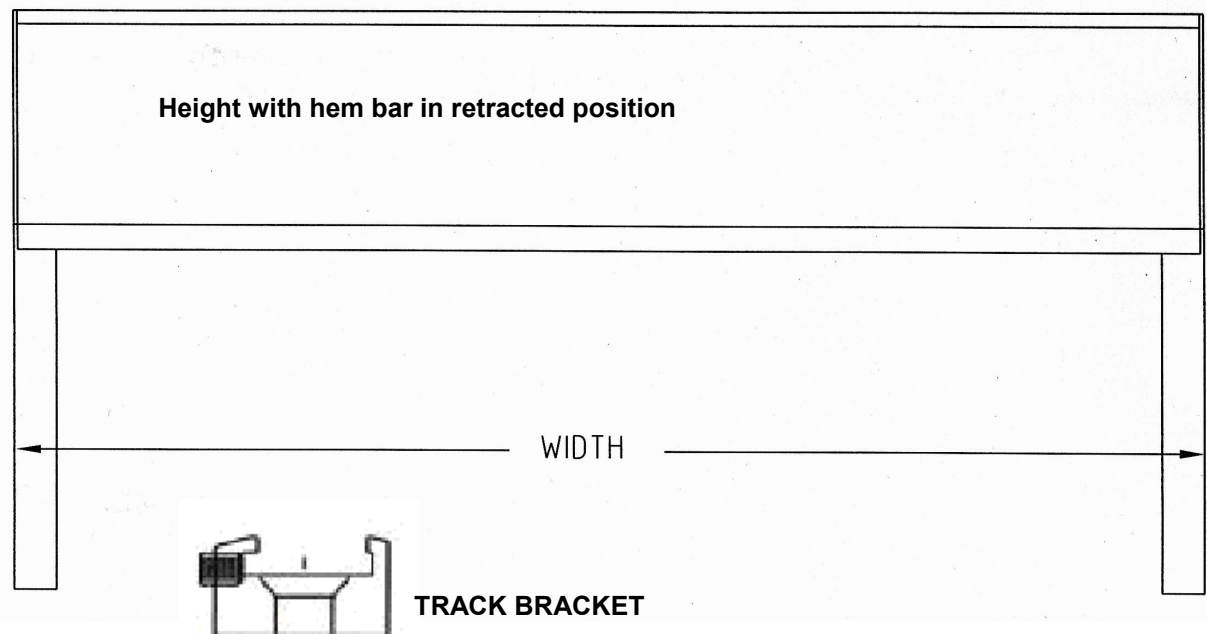**Hem bar with recessed fabric cavity hiding the seam**

MEASURING SC3000:

5 3/8"

5 1/8"

HEIGHT

Width: Determine the desired width. The width you order is the measurement outside of track to outside of track. If possible, add 1 ½ " on each side for proper window coverage by the fabric. There will be a small 1/8" gap between the fabric edge and the track on each side. If using cable guides instead of track, allow roughly 1 ½" less fabric on each side. Adjust the width of the cassette accordingly to cover the opening if using cable guides.

Height: Determine the height of the window or opening. The fabric or screen mesh should cover the height of the window. The height of the delivered screen includes the cassette. To calculate the height of the shade, add the height of the cassette (5") and the hem bar (2") to the total height of the window measurement (see to left and below). Note: Watch out for casement windows that will interfere with the hem bar when the shade is retracted (In such a case, mount the top of the cassette 6" above the opening window edge). In addition, if the hem bar needs to go below the glass area as not to be seen through the glass when the shade is lowered, add another 2" to the height, for a total of 9" (Glass height plus 9").
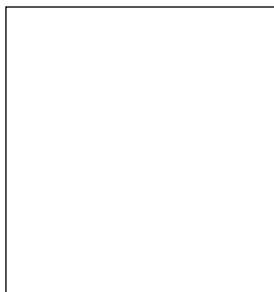
Note: The cassette can be ceiling mounted (see install instructions)

7"

Height with hem bar in retracted position

WIDTH

STANDARD TRACK
SC3000 shown with track bracket

TRACK BRACKET

FRAME COLORS (STANDARD)

Awnings & Screens*

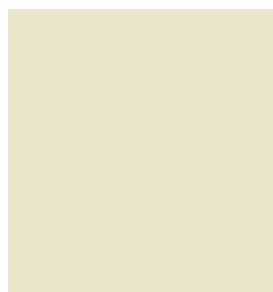*Note: See each model technical page for available frame colors.

WHITE Gloss
Ral 9016
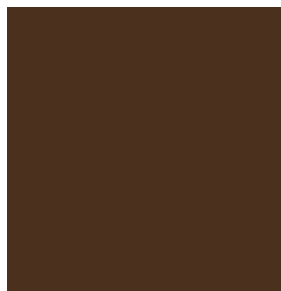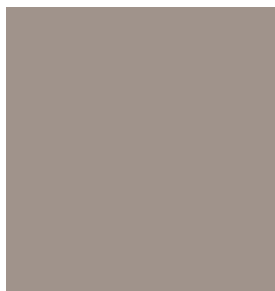
MOCHA
Semi Gloss

CREAM Gloss
Ral 1013

BLACK Gloss
Ral 9005

BRONZE
Coarse

OPTIONAL

FULL RAL COLOR RANGE / EXTRA COST

GREY Gloss
Ral 7040

BROWN Gloss
Ral 8019

TAUPE Gloss
Ral 7030

GREEN Gloss
Ral 6005

NOTE: _ACTUAL FRAME COLOR MAY VARY FROM DIGITAL IMAGES_

SUNAIR®
AWNINGS & SOLAR SCREENS

RS | RecScreen
5000P

Specifications

Composition: 15% Polyester, 85% Vinyl
Syle: Basket Weave
Mesh Weight: 14,75 (oz/yd2)
Openness Factor: 5.5 %
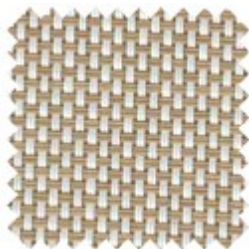**Fabric Thickness (in):** .026
Width: 118"
Fire classification: NFPA 701 Test 1, and CA Fire Marshall Title 19, Section 1237.1
Warranty: 5 years exterior
Bacteria and Fungal Resistance: AATCC Test Method 100-2004

300 Charcoal / Charcoal

| 001 White / Linen | 002 Blanco / Sable | 405 Pearl / Dark Grey | 305 Charcoal / Dark Grey | 307 Charcoal / Bronze | 770 Bronze / Bronze |

RecScreen
6000P

Specifications

Composition: 18% Polyester, 82% Vinyl
Syle: Twill
Mesh Weight: 17,8 (oz/yd^2)
Openness Factor: 3 %
Fabric Thickness (in): .78 mm
Width: 118"
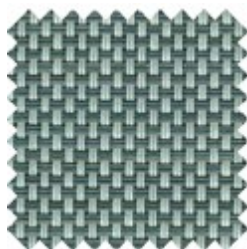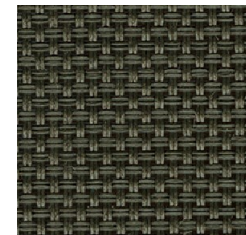**Fire classification:** NFPA 701 Test 1, and CA Fire Marshall Title 19, Section 1237.1
Warranty: 10 Year Limited. Visit www.recasensusa.com for full warranty.
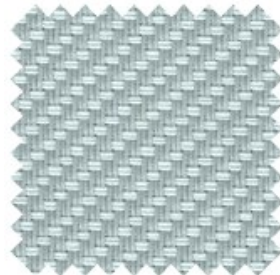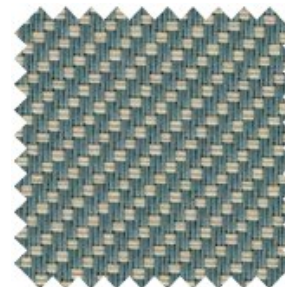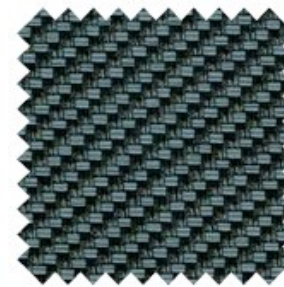**Bacteria and Fungal Resistance:** AATCC Test Method 100-2004

300 Charcoal / Charcoal

001 White	002 White	004 White	502 Dark	503 Dark	307Charcoal
/ Linen	/ Sable	/ Pearl Grey	Gray / Sable	Gray / Charcoal	/ Bronze

Soltis
Horizon 86

Serge Ferrari

14 % Open Screen Mesh
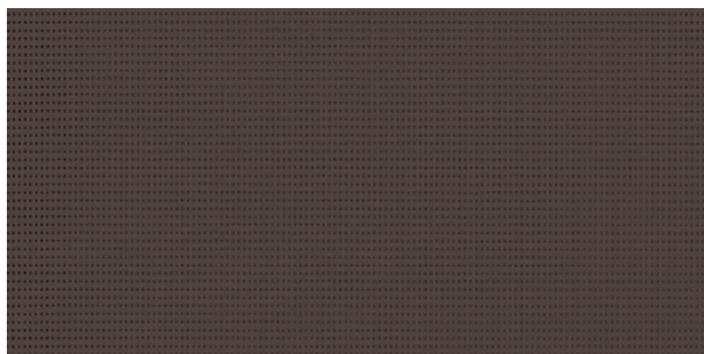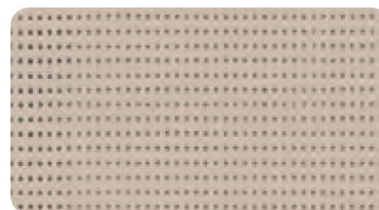
86-2043
Bronze

86 – 2135
Sandy Beige
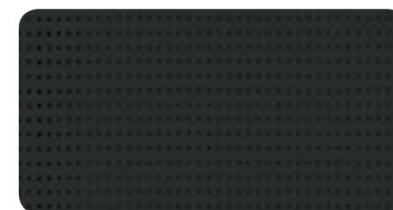
86 – 2053
Black
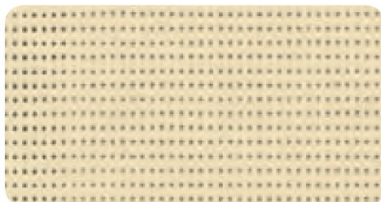
86 – 2175
Champagne
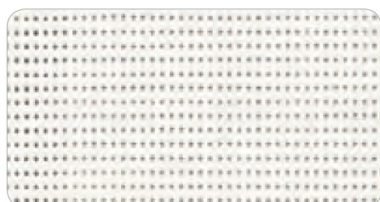
86 – 2044
White
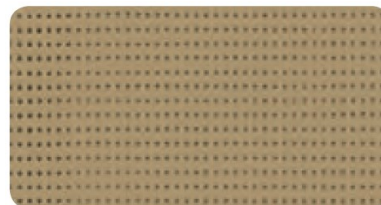
86 – 2012
Pepper

86 – 2171
Boulder

▪ Technical properties

Openess factor	14%
Weight	380 g/m² — 11.2 oz/sqyd
Thickness	0.45 mm — 450 microns
Width	177 cm - 267 cm — 69.7 in. - 105.1 in.

Superior elongation and tear resistance
No deformation during processing and use
Superior aesthetic and mechanical durability
Smooth finish easy to clean, space saving, easy rolling

TEXTILENE® nano™ 95

BRAND FABRIC

5 % Open Screen Mesh
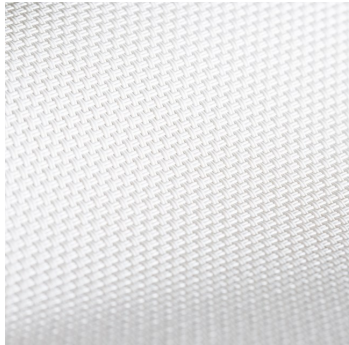
White	Stone Texture	ShadowTexture	Granite	Expresso Texture
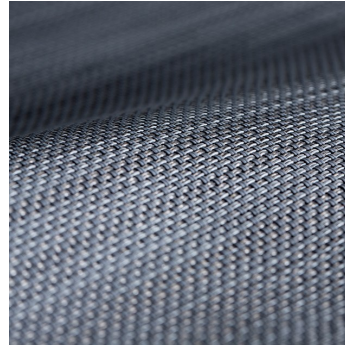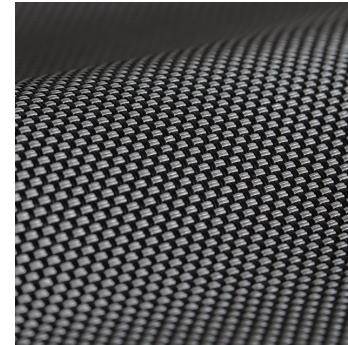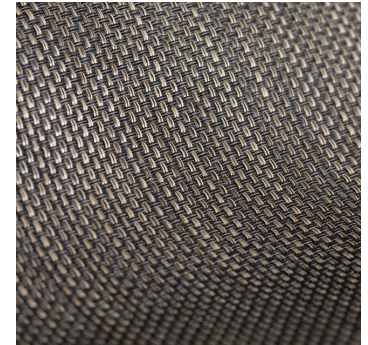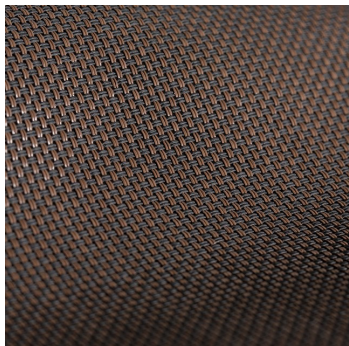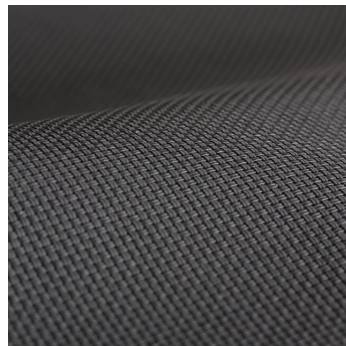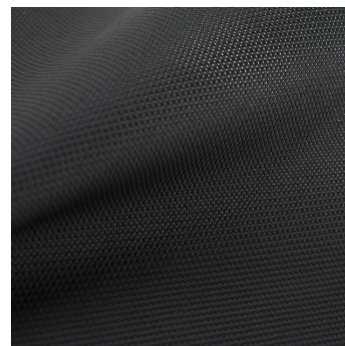
Tobacco	Charcoal	Flat Black	Bone

TEXTILENE® nano™ 95 is a durable, yet lightweight synthetic fabric. It is lighter and finer with the same technical qualities as the original TEXTILENE®. TEXTILENE® nano™95 is excellent for exterior use and can reduce energy costs while blocking up to 95% of the sun's harmful rays.

TTP FABRICS & COATING

TEMPOTEST
ITALIAN PERFORMANCE FABRICS

PARA

2018

ACRYLIC FABRIC COLLECTION

Fabric covers sewn with Tenara thread.
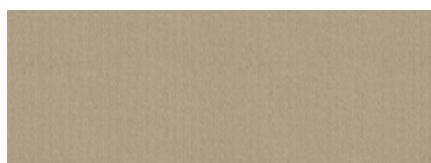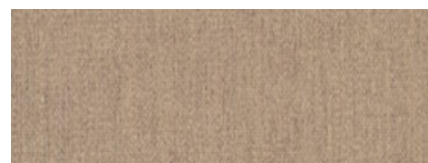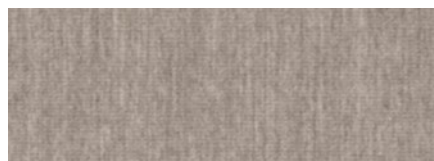
SUNAIR
AWNINGS & SOLAR SCREENS

101 Elite Toast	102 Cappuccino	106 Toffee	986/15 Textured Lt. Grey
727/15 Textured Med. Grey	107 Textured Dk. Grey	986/106 Textured Beige	873/2 Textured Cocoa
97/84 Plum	407/3 Green Classic Tweed	407/16 Moss Classic Tweed	407/14 Toast Classic Tweed
407/926 Grey Classic Tweed	926 Taupe Classic Solid	782/14 Beige Classic Solid	15 White
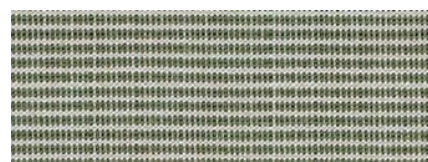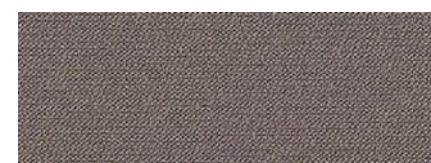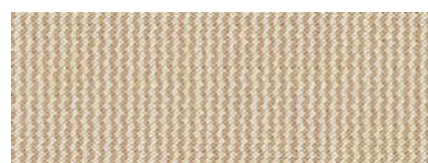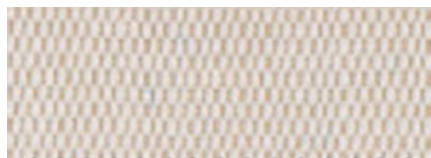
15/14 Raw

4015/91 Raw Speckled
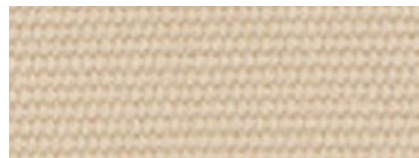
15/1 Beige
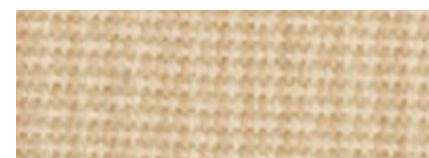
4215/15 Textured Tan
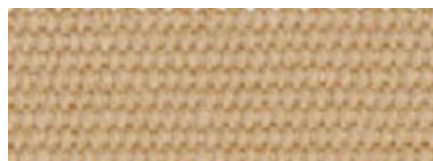
52 Tan
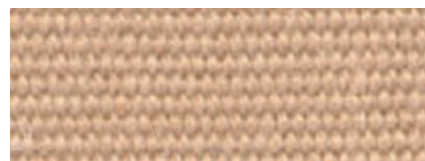
14 Toast

12 Yellow

53 Pale Peach

1302 Sage Tweed

7 Moss Green

5 Forest Green

407/6 Green Tweed
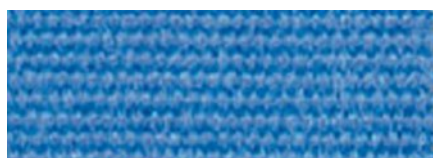
8 Medium Green

13 Ocean Blue

407/13 Blue Tweed

75 Navy Blue

87 Fancy Blue
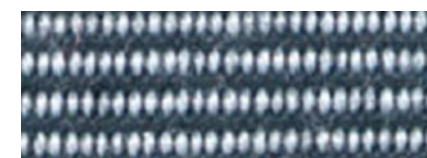
79 Grey

407/79 Pepper Grey

15/79 Stone
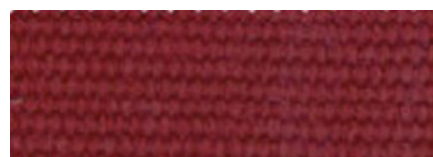
84 Dark Terracotta

426 Terracotta

11 Red
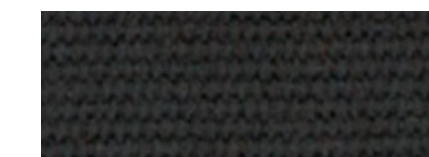
81 True Brown

73 Burgundy

407/11 Burgundy Tweed

24 Black

5374 Smoke / Grey Stripe

5370 Beige / Grey

35 Red / White

33 Forest Green / White

37 Yellow / White

47 Brown / Stone

969 Grey Fancy Stripe

242 Grey / White

68 Black / Grey

439 Dark Grey / White

809 Cream / Green

878 Beige / White Speckled

116/15 Medium Blue / White

931 Green / Cream Wide

5347/58 Grey Wheat Multi

5348/58 Beige / Wheat Multi

5349/930 Beige / Brown Classic

636/14 Brown Elite Stripe

945/97 Beige Elite Stripe

946/58 Beige / Grey Classic

947/14 Pale / Beige Classic

949/91 Brown / Beige Classic	**959/14 Beige / Toast Elite**	**959/84 Beige / Brick Elite**	**5001/73 Burg/Grey Graduated**
1101 Beige / Stripe Fancy	**636/84 Terracotta Graduated**	**639/99 Tan / Natural Fancy**	**1120 Brown/ Beige Fancy**
5009/1 Beige / Tan Stripe	**5009/14 Brown / Tan Stripe**	**5011/57 Tan / Brown Fancy**	**5072/86 Brown/Stone Fancy**
5144/14 Pastel/Natural Fancy	**635/11 Cranberry/Natural F.**	**5011/11 Brick/Natural Fancy**	**5167/11 Red / Grey Fancy**
5304/15 Rose / Grey Fancy	**5173/12 Yellow / Grey Stripe**	**636/12 Yellow Graduated**	**5118/62 Yellow / White Fancy**
5009/12 Gold / Tan Stripe	**1150 Rust / Green Multi**	**5349/5 Natural/Green Classic**	**5368/106 Toast/Grey / Rust**

940/5 Green Elite Stripe

764/62 Green / Tweed Fancy

774/62 Green / Speckled Fancy

739/701 Sage / Beige Fancy

634/97 Green / Tan Fancy

635/8 Green / Stone Fancy

636/5 Green / Beige Fancy

638/5 Green Grey Fancy

5001/1 Green Graduated

5001/7 Moss Graduated

5011/7 Tan / Green Fancy

5071/7 Natural/Moss Graduated

5167/5 Green / Grey Fancy

484/3 Green / Yellow Fancy

948/21 Pale / Blue Classic

951/92 Grey / Navy Classic

769/75 Cream / Blue Fancy

5167/2 Blue / Grey Fancy

636/10 Grey / Blue Graduated

641/10 Blue / Beige Fancy

5001/13 Blue Graduated

5348/14 Beige / Grey Multi

5348/79 Grey / Slate Multi

939/79 Yellow / Grey Elite

939/94 Grey Elite Stripe

950/24 Grey / Charcoal Classic

967/926 Grey/Charcoal Elite

634/51 Grey / Natural Fancy

633/79 Grey/ Black Fancy

Index Para / Tempotest Sunair Fabric collection

SOLIDS • TWEEDS • BLOCK STRIPES • FANCY STRIPES • GRADUATED STRIPES

Pattern	Description
101	Elite Toast
102	Cappuccino
106	Toffee
986/15	Textured Lt. Grey
727/15	Textured Med. Grey
107	Textured Dk. Grey
986/106	Textured Beige
873/2	Textured Cocoa
97/84	Plum
407/3	Green Classic Tweed
407/16	Moss Classic Tweed
407/14	Toast Classic Tweed
407/926	Grey Classic Tweed
926	Taupe Classic Solid
782/14	Beige Classic Solid
15	White
15/14	Raw
4015/91	Raw Speckled
15/1	Beige
4215/15	Textured Tan
52	Tan
14	Toast
12	Yellow
53	Pale Peach
1302	Sage Tweed
7	Moss Green
5	Forrest Green
407/6	Green Tweed
8	Medium Green
13	Ocean Blue
407/13	Blue Tweed
75	Navy Blue
87	Fancy Blue
79	Grey
407/79	Pepper Grey
15/79	Stone
84	Dark Terracotta
426	Terracotta
11	Red
81	True Brown
73	Burgundy

Pattern	Description
407/11	Burgundy Tweed
24	Black
5374	Smoke / Grey Stripe
5370	Beige / Grey
35	Red / White
33	Forest Green / White
37	Yellow / White
47	Brown / Stone
969	Grey Fancy Stripe
242	Grey / White
68	Black / Grey
439	Dark Grey / White
809	Cream / Green
878	Beige / White Speckled
116/15	Medium Blue / White
931	Green / Cream Wide
5347/58	Grey / Wheat Multi
5348/58	Beige / Wheat Multi
5349/930	Beige / Brown Classic
636/14	Brown Elite Stripe
945/97	Beige Elite Stripe
946/58	Beige / Grey Classic
947/14	Pale / Beige Classic
949/91	Brown / Beige Classic
959/14	Beige / Toast Elite
959/84	Beige / Brick Elite
5001/73	Burgundy / Grey Graduated
1101	Beige / Stripe Fancy
636/84	Terracotta Graduated
639/99	Tan / Natural Fancy
1120	Brown / Beige Fancy
5009/1	Beige / Tan Stripe
5009/14	Brown / Tan Stripe
5011/57	Tan / Brown Fancy
5072/86	Brown / Stone Fancy
5144/14	Pastel / Natural Fancy
635/11	Cranberry / Natural Fancy
5011/11	Brick / Natural Fancy
5167/11	Red / Grey Fancy
5304/15	Rose / Grey Fancy
5173/12	Yellow / Grey Stripe
636/12	Yellow Graduated

Pattern	Description
5118/62	Yellow/White Fancy
5009/12	Gold/Tan Stripe
1150	Rust / Green Multi
5349/5	Natural / Green Classic
5368/106	Toast / Grey / Rust
940/5	Green Elite Stripe
764/62	Green /Tweed Fancy
774/62	Green / Speckled Fancy
739/701	Sage / Beige Fancy
634/97	Green / Tan Fancy
635/8	Green / Stone Fancy
636/5	Green/ Beige Fancy
638/5	Green / Grey Fancy
5001/1	Green Graduated
5001/7	Moss Graduated
5011/7	Tan / Green Fancy
5071/7	Natural / Moss Graduated
5167/5	Green / Grey Fancy
484/3	Green / Yellow Fancy
948/21	Pale / Blue Classic
951/92	Grey / Navy Classic
769/75	Cream / Blue Fancy
5167/2	Blue / Grey Fancy
636/10	Grey / Blue Graduated
641/10	Blue / Beige Fancy
5001/13	Blue Graduated
5348/14	Beige / Grey Multi
5348/79	Grey / Slate Multi
939/79	Yellow / Grey Elite
939/94	Grey Elite Stripe
950/24	Grey / Charcoal Classic
967/926	Grey / Charcoal Elite
634/51	Grey / Natural Fancy
633/79	Grey / Black Fancy

SUNAIR
AWNINGS & SOLAR SCREENS

MOTORIZATION & AUTOMATION

Awnings

Exterior Screens

Pergolas

Roller/Solar Shades

Sunair is proud to offer the full line of Somfy motors and controls for our awnings and screens program. SOMFY RTS features motors with an integrated radio receiver that allows you to operate the screen by remote control with a wall mounted or hand held remote or by smart phone device. With a simple click of a button on your remote, the shade will lower or retract automatically. The Altus motors is ideal for exterior screens. Manual override motors (CMO) is not available for the SC3000 model.

ALTUS®

RTS

somfy.

AVAILABLE BATTERY OPERATED REMOTES

One (1) through (16) channel hand held or wall mounted remotes are available. <u>Remotes are available in different colors to suit your style, please inquire.</u>

Telis 1 & 4 RTS
Hand-held Remotes

Telis 16 RTS
Hand-held Remote

Telis hand-held remotes offer convenient and simple operation of every type of motorized application. Channels help organize the motorized products that are operated. Single channel remotes can operate one individual product or one group of motorized products. Multiple channel remotes can handle groups of motorized products.

Telis 1 Chronis
RTS Timer

DecoFlex WireFree™ RTS
Wall Switches

Telis 1 Patio for
exterior use

Smoove® 1 RTS
Surfact Mount Wall Switch

AVAILABLE SENSORS & CONTROLS

EOLIS 3D WIREFREE™ RTS

Wind sensor for lateral

Arm Awnings only

The Eolis 3D WireFree™ RTS Wind Sensor is a wireless, battery powered wind sensor that will automatically retract an awning based on wind generated movements.

SOLIRIS RTS 24V KIT

Sun & Wind Sensor

The Soliris RTS Sun and Wind Sensor automatically controls your RTS motorized products based on current weather conditions.

ONDEIS® WIREFREE

Sun & Rain Sensor

The Rain Sensor is a solar-powered combined rain and sun sensor compatible with Radio Technology Somfy® motorized exterior products, including awnings and screens.

The Somfy myLink™ is a simple device that turns your smartphone or tablet into a sophisticated remote control for motorized products featuring Radio Technology Somfy®, allowing you to operate them whether you're home or not. Combine all the benefits of Somfy's RTS hand-held remotes and timers in a convenient app.

amazon alexa

somfy myLink™

Sunis & ThermoSunis
Indoor WireFree™ RTS Sensors

SOMFY MOTOR WIRING

The three (3) wire cords can be wired in parallel. The standard four (4) wire cords must be wired with a traditional toggle wall switch. <u>Screens can not be ordered with molded plugs on the end.</u>

Radio Technology Somfy

Radio Technology Somfy® (RTS) allows wireless radio control of motorized applications via the RTS family of controls.

All Somfy Motors are UL and CSA Recognized

- All SOMFY motors are UL Recognized and can be found under the following file numbers:

E60495, E60888, E63714

Type of power cable

RTS
120V AC / 60Hz
3 conductor cable

white = neutral
black = hot
green = ground

Type of power cable   Hardwire motor cord

Wired
120V AC / 60Hz
4 conductor cable

white = neutral
red   = direction 1
black = direction 2
green = ground

Hardwired motors with a wall switch

GROUND
NEUTRAL
Power   LINE

DECORATOR PADDLE TOGGLE SWITCH

BROWN
RED
BLACK
GROUND CONNECTED TO BOX

5 year Warranty somfy.

somfy® Building happiness

Dimensions

STAR HEAD

ø 63

L1
L2
L3

Ø 47

17.15 min.

3.95

25

20

2 mounting holes for self tapping screws. Dia. 5 mm (cat #9670013).
Depth 13 mm spaced 1.89" (48 mm) apart.
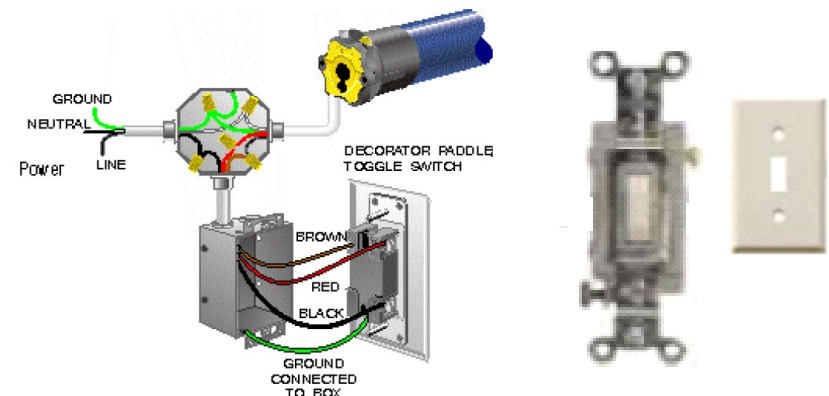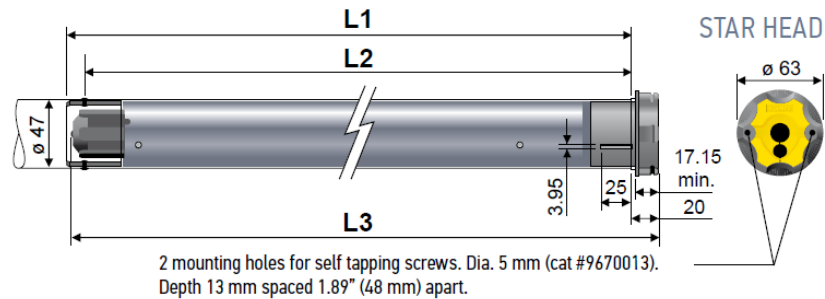
LT50 Altus® RTS

506	510	525	535	550
6 Nm	10 Nm	25 Nm	35 Nm	50 Nm
120V / 60HZ	120V / 60HZ	120V / 60HZ	120V / 60HZ	120V / 60HZ
1.1A	1.3A	1.6A	2.1A	2.1A
38 rpm	38 rpm	20 rpm	20 rpm	14 rpm

MAESTRIA OSTACLE

DETECTION EXTERIOR EXTERIOR SCREEN MOTOR

The SOMFY <u>Maestria obstacle detection motor</u> is the recommended motor to be used on all larger screens with heavier . These motors accurately detects obstacles, stopping after meeting an object traveling up or down. Protects carrier products and prevents fabric damage resulting from screen bunching and slipping from the guides. The motor senses and distinguishes   between an actual obstacle and wind, even wind gusts, so it doesn't stop unnecessarily, resulting in fewer service calls and end user peace of mind.

Autosun solar powered motor for screens

INSTALLATION

MOTOR

SOLAR PANEL

BATTERY

Exterior Solar Screen
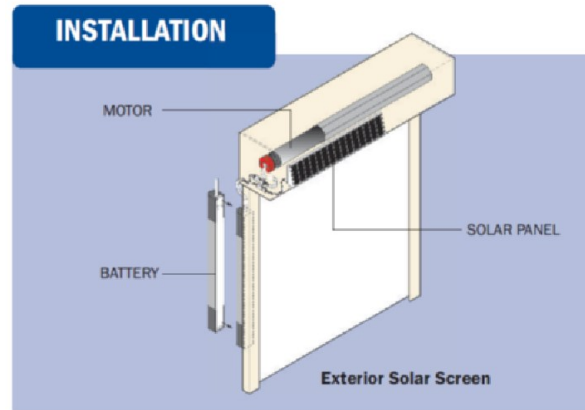
The Simu solar powered motor can be utilized with smaller sized exterior solar screens. The available screen models are the SC2000, SC3000, and SC4000 models with standard track or cables up to 14 ft. wide (Please see your Sunair dealer for options and limitations). This battery powered motor does not require a hardwiring or an electrician. The motor kit comes with a solar panel and can be ordered optional with a rechargeable battery pack. You must add a hand held remote to operate.

A COMPLETE SOLAR POWERED SYSTEM

SOLAR POWER

AutoSun™ DC Hz motor
- AutoSun™ electric motor, dia. 40mm, 12V
- Compatible with existing Hz transmitters

AutoSun™ battery
- NiMH technology
- Lead-free
- Operating Temperature is -4°F to +158°F
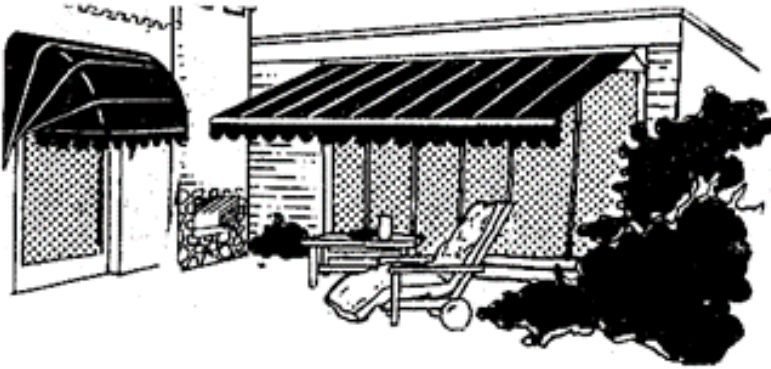- Separate programming button

AutoSun™ solar panel
- Amorphous Silicon technology
- Works effectively even in overcast conditions

Notes

Note: Sunair® reserves the right to change engineering, specifications, and prices without notice.

Images and Illustrations in the catalog may vary from digital and printed manuals.

SUNAIR®
AWNINGS & SOLAR SCREENS

SUNPROOFING AMERICA!

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Jessup, MD 20794	Phoenix, AZ 85017

Maryland		**Arizona**	
Toll Free	800 - 548 - 0408	Toll Free	877 - 272 - 3920
Phone:	410 - 799 - 1145	Phone:	602 - 272 - 3920
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