

Helioscreen

# SERGÉ FABRIC



SHADE  
CONSTRUCTION  
OUTDOOR



# SERGÉ FABRIC

## TECHNICAL SPECIFICATIONS

### Yarn

SPECIFICATIONS	AVERAGE VALUES
Titer	165 tex
Weighted composition	Glass 41.5%, PVC 58.5%
Diameter	0.38mm
Openness:	3% / 1%
Environment	Oekotex standard 100

### Fabric

SPECIFICATIONS	AVERAGE VALUES
Type of fabric	PVC-coated fiberglass fabric
Weave pattern	Twill weave
Width	3200 mm
Roll length (nominally)	50 m
Thickness	3% 0.83 mm / 1% 0.60 mm
Mass	3% 525 g/m <sup>2</sup> / 1% 474 g/m <sup>2</sup>
Yarns in warp/weft/cm	18/14
Fire resistance	M1 FR

### Data

SPECIFICATIONS	AVERAGE VALUES
Breaking strength	3% warp 270 daN, weft 240 daN
	1% warp 290 daN, weft 210 daN
Elongation at break	3% warp 5.6%, weft 5%
	1% warp 6.2%, weft 4.4%
Tear resistance	3% warp 17 daN, weft 19 daN
	1% warp 9.5 daN, weft 10 daN
Air porosity	3% 960 l/m <sup>2</sup> /sec
	1% 374 l/m <sup>2</sup> /sec

### The quality chain

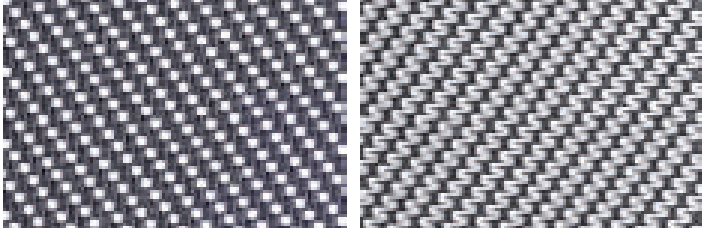
Cutting	Crush or ultrasonic; railroad or width out of roll width
Welding	Thermal, HF, ultrasonic, sewing
Cleaning	Remove dust from the fabric surface, then wipe gently with a humid soft sponge while using a mild detergent



(Specifications are purely indicative and may not be considered as binding. Colours may vary from the samples shown)



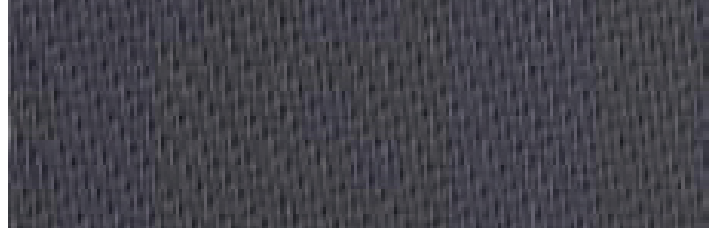
108101 GREY-WHITE – FRONT/BACK



Solar Heat & Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	Glare Control
Front	4.4	27.2	68.4	4.4	1.8	2.6	3.0	Class 3
Back	4.4	38.9	56.7	4.4	1.8	2.6	3.0	Class 3

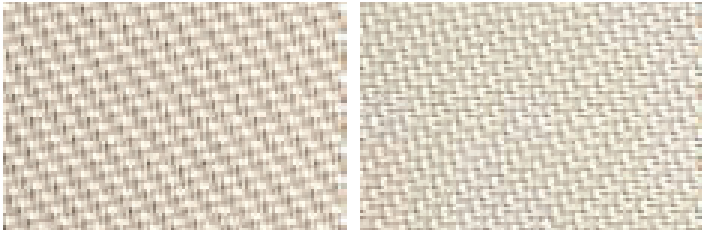
108108 GREY



Solar Heat & Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	Glare Control
Front	5.1	14.2	80.7	4.9	0.5	4.4	4.8	Class 3

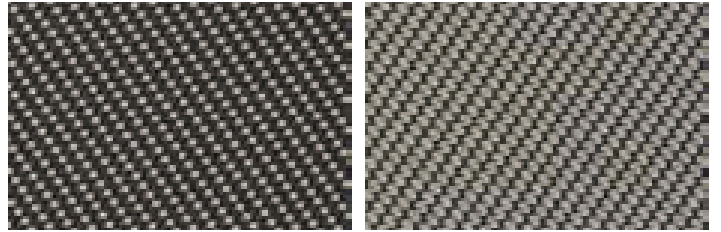
116101 LINEN-WHITE – FRONT/BACK



Solar Heat & Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	Glare Control
Front	15.2	56.8	28.0	13.5	9.8	3.7	4.2	Class 1
Back	15.2	58.9	25.9	13.5	9.8	3.7	4.2	Class 1

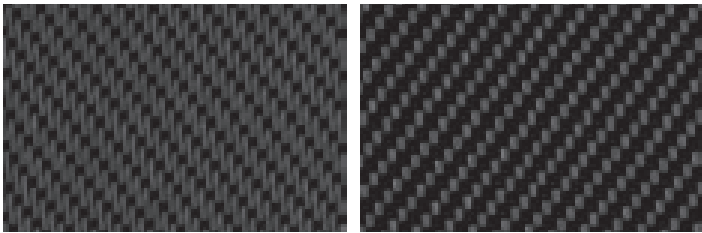
118116 BLACK-LINEN – FRONT/BACK



Solar Heat & Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	Glare Control
Front	5.6	16.1	78.3	5.3	1.6	3.6	4.0	Class 3
Back	5.6	26.0	68.4	5.3	1.6	3.6	4.0	Class 3

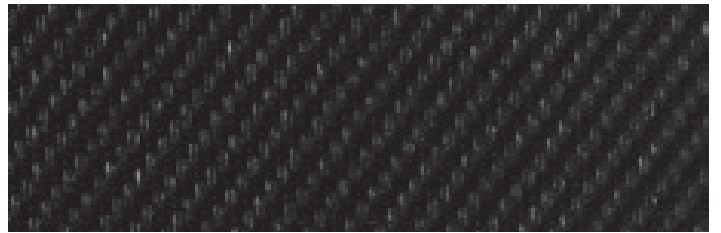
108118 GREY-BLACK – FRONT/BACK



Solar Heat & Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	Glare Control
Front	3.7	12.7	83.6	3.7	0.4	3.2	3.6	Class 3
Back	3.7	9.6	86.7	3.7	0.4	3.2	3.6	Class 3

118118 BLACK



Solar Heat & Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	Glare Control
Front	2.6	5.2	92.2	2.6	0.3	2.3	2.6	Class 3



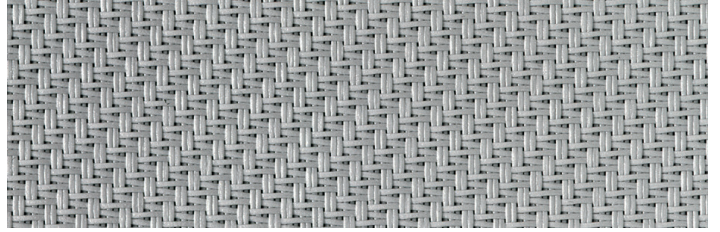
### 113113 BRONZE



#### Solar Heat & Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	Glare Control
Front	4.8	9.1	86.1	4.7	0.5	4.2	4.8	Class 3

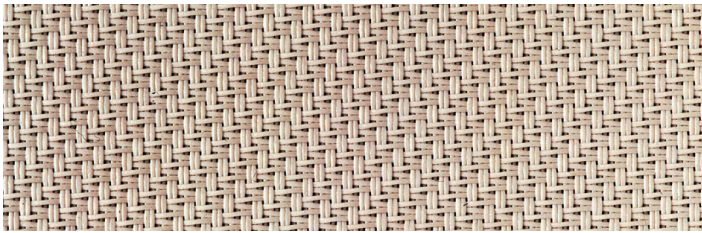
### 117117 PEARL



#### Solar Heat & Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	Glare Control
Front	7.7	39.7	52.6	6	2.6	3.4	3.8	Class 2

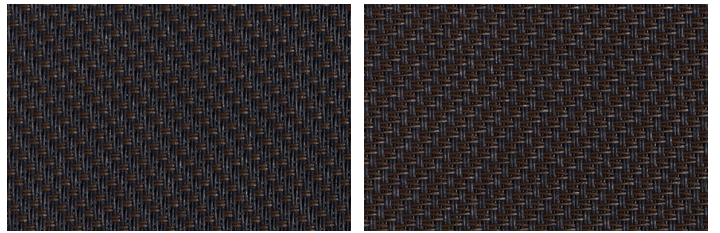
### 116116 LINEN



#### Solar Heat & Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	Glare Control
Front	13.4	53.2	33.4	11	7.2	3.8	4.2	Class 1

### 118113 BLACK-BRONZE – FRONT/BACK

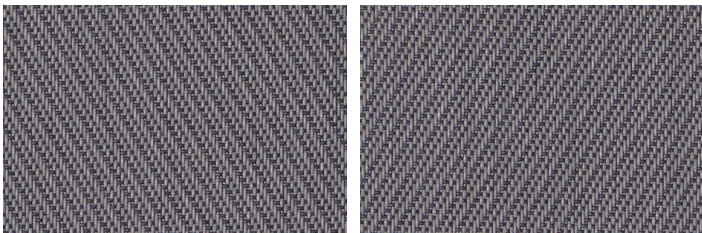


#### Solar Heat & Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	Glare Control
Front	6.0	5.8	88.2	5.8	0.5	5.3	5.8	Class 1
Back	6.0	6.2	87.9	5.8	0.5	5.3	5.8	Class 1

## SERGÉ 1% RANGE Increased protection against heat & glare

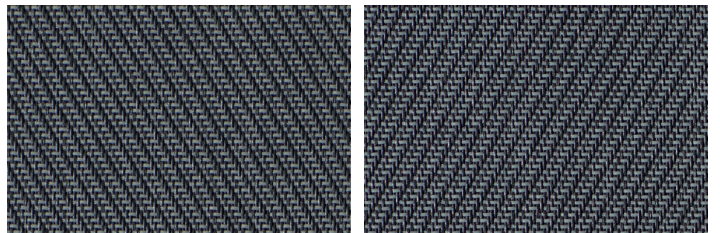
### 108118 GREY-BLACK – FRONT/BACK



#### Solar Heat & Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	Glare Control
Front	2.9	16.0	81.1	1.5	1.1	0.4	0.6	Class 3
Back	2.9	16.0	81.1	1.5	1.1	0.4	0.6	Class 3

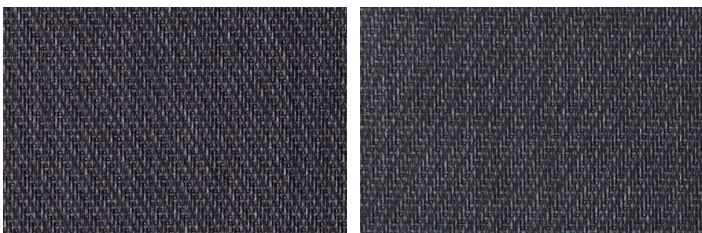
### 118108 BLACK-GREY – FRONT/BACK



#### Solar Heat & Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	Glare Control
Front	0.8	10.2	89.0	0.6	0.3	0.3	0.5	Class 3
Back	0.8	10.1	89.1	0.6	0.3	0.3	0.5	Class 3

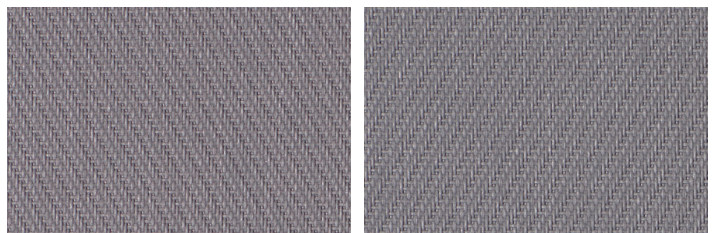
### 118118 BLACK



#### Solar Heat & Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	Glare Control
Front	0.4	6.69	92.9	0.3	0.2	0.2	0.3	Class 3

### 108108 GREY

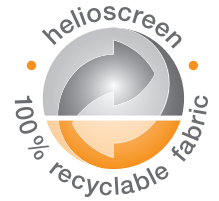


#### Solar Heat & Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	Glare Control
Front	4.8	21.6	73.6	2.2	1.5	0.7	0.9	Class 3

# ENVIRONMENT

## HELIOSCREEN FABRICS: 100% RECYCLABLE



Fabrics made from fiberglass yarns coated with PVC have clear advantages over fabrics made from other materials. One of these is durability: fiberglass-PVC fabrics last longer than most other fabrics and are more resistant to harsh weather conditions. As a result, they have the advantage of remaining in use for a long period before they enter into the waste chain. Life expectation used in life cycle analysis is up to 15 years outside and 30 years inside.



At this moment there is no affordable alternative for fiberglass-PVC that has the same advantages and properties for solar shading. But we know that the Fiberglass-PVC yarns we use are as eco-friendly as possible. This is proved by their compliance with the Oeko-Tex standard 100. This means there are no harmful substances present

nor heavy-metal content (lead, cadmium, tin). No formaldehyde and allergenic compounds are used and the yarns are resistant to mould and bacterial growth. The fabric also complies to the latest REACH- standards prescribed by the EU (Registration, Evaluation, Authorisation and restriction of CHemicals).

To further ease the concerns about the PVC-content of our fabrics, Helioscreen supports VinylPlus, an initiative of the European PVC industry that sets challenging sustainability targets.

In light of that commitment, Helioscreen participates in several projects that seek to recycle both the glass and the PVC content of the yarn used for the fabrics.

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