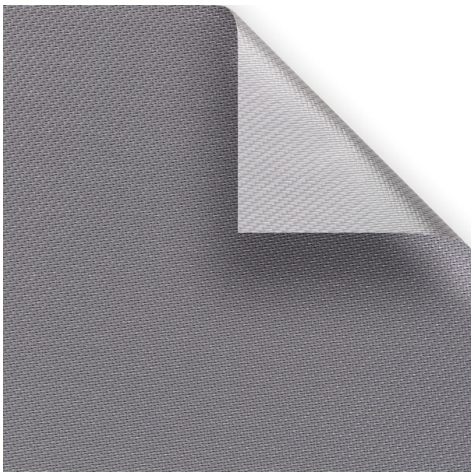
Serge 600 Blockout Lunar - grey | grey
(001001)

Technical info

FRONT



BACK

Widths		210 cm
Composition		Fibreglass 33% - PVC 47% - PVC laminate 20%
Openness factor	NBN EN 410	0.00%
Weight	NF EN 12127	678.00 g/m²
Thickness	ISO 5084	0.73 mm
Density	ISO 7211/2	WARP 18.00 yarn/cm WEFT 14.00 yarn/cm
Color fastness to artificial weathering	ISO 105 B04	>7
Air permeability	ISO 9237	0.0
Roll length		30 m
Cleaning		With soapy water
Confection		By heat, high frequency or ultrasonic welding
Fire classification		
└ Germany	DIN 4102	B1
└ UK	BS 5867	awaiting test results
└ USA	NFPA 701	awaiting test results
└ France	NF P92-503	M1
└ Italy	UNI 9177	Class 1

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Tear strength ISO 4674-1 methode 2		
└ Original	WARP 8.50 daN	WEFT 9.00 daN
└ After climatic chamber -30°C	WARP 8.40 daN	WEFT 9.30 daN
└ After climatic chamber +70°C	WARP 8.80 daN	WEFT 9.30 daN
Elongation up to break ISO 1421		
└ Original	WARP 6.40 %	WEFT 7.30 %
└ After colour fastness to artificial weathering	WARP 6.50 %	WEFT 7.00 %
└ After climatic chamber -30°C	WARP 6.20 %	WEFT 6.90 %
└ After climatic chamber +70°C	WARP 6.40 %	WEFT 6.70 %
Breaking strength ISO 1421		
└ Original	WARP 224.20 daN/5cm	WEFT 176.60 daN/5cm
└ After colour fastness to artificial weathering	WARP 214.20 daN/5cm	WEFT 168.00 daN/5cm
└ After climatic chamber -30°C	WARP 222.40 daN/5cm	WEFT 162.60 daN/5cm
└ After climatic chamber +70°C	WARP 213.90 daN/5cm	WEFT 161.60 daN/5cm
Recommendations	To be used in sunscreensystems with Zipscreens.	

Front - Interior

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Visual properties	
Tv = Visual light transmittance	0.00%
Tuv = UV transmittance	0.00%

Solar energetic properties	
As = Solar absorptance	82.80%
Rs = Solar reflectance	17.20%
Ts = Solar transmittance	0.00%

Fabric + glazing: G-factor

	G	Te	Qi	SC
Glazing A	0.55	0.00	0.55	0.65
Glazing B	0.57	0.00	0.57	0.75
Glazing C	0.50	0.00	0.50	0.85
Glazing D	0.29	0.00	0.29	0.90

G = Total solar energy transmittance / Te = Direct solar transmittance / Qi = Secondary heat transfer factor / SC = Shading coefficient

Visual comfort		
Normal solar transmittance	Class 4	Very good effect
Glare control	Class 4	Very good effect
Privacy night	Class 2	Moderate effect
Visual contact with the outside	Class 2	Moderate effect
Daylight utilisation	Class 0	Very little effect

Thermal comfort G-factor = Total solar energy transmittance

Glazing A	Glazing B	Glazing C	Glazing D
Class 0	Class 0	Class 1	Class 2

Thermal comfort Qi-factor = Secondary heat transfer factor

Glazing A	Glazing B	Glazing C	Glazing D
Class 0	Class 0	Class 0	Class 1

Class 0 = Very little effect / 1 = Little effect / 2 = Moderate effect / 3 = Good effect / 4 = Very good effect

Back - Interior — Serge 600 Blockout Lunar - grey | grey (001001)

Visual properties	
Tv = Visual light transmittance	0.00%
Tuv = UV transmittance	0.00%

Solar energetic properties	
As = Solar absorptance	66.90%
Rs = Solar reflectance	33.10%
Ts = Solar transmittance	0.00%

Fabric + glazing: G-factor

	G	Te	Qi	SC
Glazing A	0.47	0.00	0.47	0.56
Glazing B	0.50	0.00	0.50	0.66
Glazing C	0.45	0.00	0.45	0.76
Glazing D	0.27	0.00	0.27	0.86

G = Total solar energy transmittance / Te = Direct solar transmittance / Qi = Secondary heat transfer factor / SC = Shading coefficient

Visual comfort		
Normal solar transmittance	Class 4	Very good effect
Glare control	Class 4	Very good effect
Privacy night	Class 2	Moderate effect
Visual contact with the outside	Class 2	Moderate effect
Daylight utilisation	Class 0	Very little effect

Thermal comfort G-factor = Total solar energy transmittance

Glazing A	Glazing B	Glazing C	Glazing D
Class 1	Class 1	Class 1	Class 2

Thermal comfort Qi-factor = Secondary heat transfer factor

Glazing A	Glazing B	Glazing C	Glazing D
Class 0	Class 0	Class 0	Class 1

Class 0 = Very little effect / 1 = Little effect / 2 = Moderate effect / 3 = Good effect / 4 = Very good effect

Front - Exterior

Serge 600 Blockout Lunar - grey | grey (001001)

Visual properties	
Tv = Visual light transmittance	0.00%
Tuv = UV transmittance	0.00%

Solar energetic properties	
As = Solar absorptance	82.80%
Rs = Solar reflectance	17.20%
Ts = Solar transmittance	0.00%

Fabric + glazing: G-factor

	G	Te	Qi	SC
Glazing A	0.12	0.00	0.12	0.14
Glazing B	0.08	0.00	0.08	0.11
Glazing C	0.04	0.00	0.04	0.07
Glazing D	0.04	0.00	0.04	0.13

G = Total solar energy transmittance / Te = Direct solar transmittance / Qi = Secondary heat transfer factor / SC = Shading coefficient

Visual comfort		
Normal solar transmittance	Class 4	Very good effect
Glare control	Class 4	Very good effect
Privacy night	Class 2	Moderate effect
Visual contact with the outside	Class 2	Moderate effect
Daylight utilisation	Class 0	Very little effect

Thermal comfort G-factor = Total solar energy transmittance

Glazing A	Glazing B	Glazing C	Glazing D
Class 3	Class 4	Class 4	Class 4

Thermal comfort Qi-factor = Secondary heat transfer factor

Glazing A	Glazing B	Glazing C	Glazing D
Class 2	Class 3	Class 3	Class 3

Class 0 = Very little effect / 1 = Little effect / 2 = Moderate effect / 3 = Good effect / 4 = Very good effect

Back - Exterior — Serge 600 Blockout Lunar - grey | grey (001001)

Visual properties	
Tv = Visual light transmittance	0.00%
Tuv = UV transmittance	0.00%

Solar energetic properties	
As = Solar absorptance	66.90%
Rs = Solar reflectance	33.10%
Ts = Solar transmittance	0.00%

Fabric + glazing: G-factor

	G	Te	Qi	SC
Glazing A	0.09	0.00	0.09	0.11
Glazing B	0.07	0.00	0.07	0.09
Glazing C	0.04	0.00	0.04	0.06
Glazing D	0.03	0.00	0.03	0.10

G = Total solar energy transmittance / Te = Direct solar transmittance / Qi = Secondary heat transfer factor / SC = Shading coefficient

Visual comfort		
Normal solar transmittance	Class 4	Very good effect
Glare control	Class 4	Very good effect
Privacy night	Class 2	Moderate effect
Visual contact with the outside	Class 2	Moderate effect
Daylight utilisation	Class 0	Very little effect

Thermal comfort G-factor = Total solar energy transmittance

Glazing A	Glazing B	Glazing C	Glazing D
Class 4	Class 4	Class 4	Class 4

Thermal comfort Qi-factor = Secondary heat transfer factor

Glazing A	Glazing B	Glazing C	Glazing D
Class 3	Class 3	Class 3	Class 3

Class 0 = Very little effect / 1 = Little effect / 2 = Moderate effect / 3 = Good effect / 4 = Very good effect