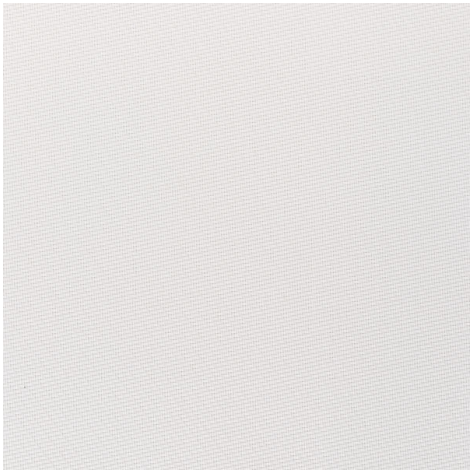
Serge 600 Blockout Solar - white | white
(002002)

Technical info

FRONT

BACK



Widths		300 cm
Composition		Fibreglass 34% - PVC 48% - PVC laminate 18%
Openness factor	NBN EN 410	3.00%
Weight	NF EN 12127	650.00 g/m²
Thickness	ISO 5084	0.77 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
Roll length		30 m
Cleaning		With soapy water
Confection		By heat, high frequency or ultrasonic welding
Fire classification		
└ France	NF P92-503	awaiting test results
└ Italy	UNI 9177	awaiting test results
└ Germany	DIN 4102	awaiting test results
└ UK	BS 5867	awaiting test results
└ USA	NFPA 701	awaiting test results

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Tear strength	ISO 4674-1 methode 2		
└ Original		WARP 9.00 daN	WEFT 9.90 daN
└ After climatic chamber -30°C		WARP 10.00 daN	WEFT 11.00 daN
└ After climatic chamber +70°C		WARP 9.80 daN	WEFT 10.00 daN
Elongation up to break	ISO 1421		
└ Original		WARP 5.70 %	WEFT 7.90 %
└ After colour fastness to artificial weathering		WARP 5.90 %	WEFT 6.70 %
└ After climatic chamber -30°C		WARP 5.50 %	WEFT 6.40 %
└ After climatic chamber +70°C		WARP 5.90 %	WEFT 6.20 %
Breaking strength	ISO 1421		
└ Original		WARP 205.70 daN/5cm	WEFT 169.80 daN/5cm
└ After colour fastness to artificial weathering		WARP 200.10 daN/5cm	WEFT 154.60 daN/5cm
└ After climatic chamber -30°C		WARP 210.00 daN/5cm	WEFT 210.00 daN/5cm
└ After climatic chamber +70°C		WARP 215.30 daN/5cm	WEFT 147.20 daN/5cm

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Front - Interior

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Visual properties	
Tv = Visual light transmittance	0.20%
Tuv = UV transmittance	4.50%

Solar energetic properties	
As = Solar absorptance	28.40%
Rs = Solar reflectance	67.30%
Ts = Solar transmittance	4.30%

Fabric + glazing: G-factor

	G	Te	Qi	SC
Glazing A	0.31	0.04	0.27	0.36
Glazing B	0.34	0.03	0.31	0.45
Glazing C	0.35	0.03	0.32	0.59
Glazing D	0.25	0.02	0.23	0.77

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 2	Moderate effect
Privacy night	Class 2	Moderate effect
Visual contact with the outside	Class 2	Moderate effect
Daylight utilisation	Class 1	Little effect

Thermal comfort G-factor = Total solar energy transmittance

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

Thermal comfort Qi-factor = Secondary heat transfer factor

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

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

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Visual properties	
Tv = Visual light transmittance	0.20%
Tuv = UV transmittance	4.50%

Solar energetic properties	
As = Solar absorptance	30.90%
Rs = Solar reflectance	64.80%
Ts = Solar transmittance	4.30%

Fabric + glazing: G-factor

	G	Te	Qi	SC
Glazing A	0.32	0.04	0.28	0.37
Glazing B	0.35	0.03	0.32	0.46
Glazing C	0.35	0.03	0.33	0.60
Glazing D	0.25	0.02	0.23	0.77

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 2	Moderate effect
Privacy night	Class 2	Moderate effect
Visual contact with the outside	Class 2	Moderate effect
Daylight utilisation	Class 1	Little effect

Thermal comfort G-factor = Total solar energy transmittance

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

Thermal comfort Qi-factor = Secondary heat transfer factor

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

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

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Front - Exterior

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Visual properties	
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Solar energetic properties	
As = Solar absorptance	28.40%
Rs = Solar reflectance	67.30%
Ts = Solar transmittance	4.30%

Fabric + glazing: G-factor

	G	Te	Qi	SC
Glazing A	0.08	0.04	0.04	0.09
Glazing B	0.06	0.03	0.03	0.08
Glazing C	0.04	0.03	0.02	0.07
Glazing D	0.03	0.01	0.02	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 2	Moderate effect
Privacy night	Class 2	Moderate effect
Visual contact with the outside	Class 2	Moderate effect
Daylight utilisation	Class 1	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 4	Class 4

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

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Visual properties	
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Solar energetic properties	
As = Solar absorptance	30.90%
Rs = Solar reflectance	64.80%
Ts = Solar transmittance	4.30%

Fabric + glazing: G-factor

	G	Te	Qi	SC
Glazing A	0.08	0.04	0.05	0.10
Glazing B	0.07	0.03	0.03	0.09
Glazing C	0.04	0.03	0.02	0.08
Glazing D	0.03	0.01	0.02	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
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Privacy night	Class 2	Moderate effect
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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 4	Class 4

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