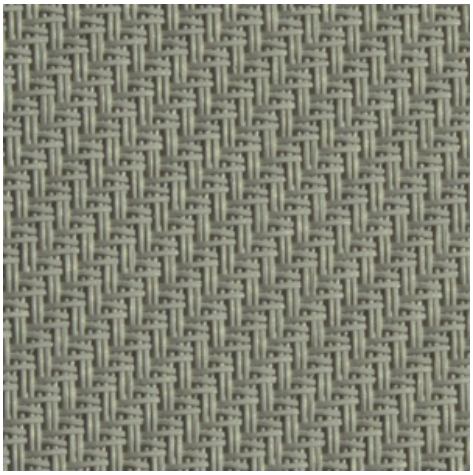
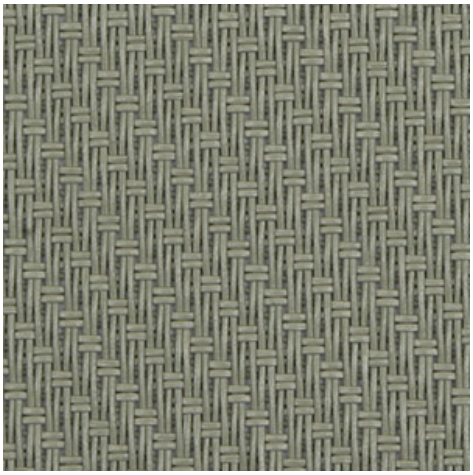
Serge 600 - jade river (031031)

Technical info

FRONT



BACK



Widths		270 cm | 220 cm
Composition		Fibreglass 42% - PVC 58%
Openness factor	NBN EN 410	5.00%
Weight	NF EN 12127	525.00 g/m²
Thickness	ISO 5084	0.74 mm
Density	ISO 7211/2	WARP 18.00 yarn/cm WEFT 14.00 yarn/cm
Color fastness to artificial light	ISO 105 B02	>7
Color fastness to artificial weathering	ISO 105 B04	>7
Air permeability	ISO 9237	580.00 l/m²/s
Roll length		50 m / 30 m for all widths > 270 cm
Cleaning		With soapy water
Confection		By heat, high frequency or ultrasonic welding
Fire classification		
└ Europe	UNE-EN 13501-1:2007	C-s3, d0
└ France	NF P92-503	M1
└ Italy	UNI 9177	Class 1
└ Germany	DIN 4102	B1
└ UK	BS 5867	C
└ USA	NFPA 701	FR

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Tear strength (ISO 4674-1 methode 2)		
└ Original	WARP 8.50 daN	WEFT 7.50 daN
└ After climatic chamber -30°C	WARP 7.80 daN	WEFT 7.50 daN
└ After climatic chamber +70°C	WARP 8.20 daN	WEFT 7.20 daN
Elongation up to break (ISO 1421)		
└ Original	WARP 3.10 %	WEFT 2.75 %
└ After color fastness to artificial light	WARP 4.00 %	WEFT 2.90 %
└ After colour fastness to artificial weathering	WARP 3.50 %	WEFT 2.80 %
└ After climatic chamber -30°C	WARP 3.00 %	WEFT 2.50 %
└ After climatic chamber +70°C	WARP 2.85 %	WEFT 2.50 %
Breaking strength (ISO 1421)		
└ Original	WARP 260.00 daN/5cm	WEFT 225.00 daN/5cm
└ After color fastness to artificial light	WARP 240.00 daN/5cm	WEFT 220.00 daN/5cm
└ After colour fastness to artificial weathering	WARP 240.00 daN/5cm	WEFT 225.00 daN/5cm
└ After climatic chamber -30°C	WARP 225.00 daN/5cm	WEFT 200.00 daN/5cm
└ After climatic chamber +70°C	WARP 180.00 daN/5cm	WEFT 185.00 daN/5cm

Front - Interior — Serge 600 - jade river (031031)

Visual properties	
Tv = Visual light transmittance	7.00%
Tuv = UV transmittance	6.80%

Solar energetic properties	
As = Solar absorptance	75.00%
Rs = Solar reflectance	17.90%
Ts = Solar transmittance	7.10%

Fabric + glazing: G-factor

	G	Te	Qi	SC
Glazing A	0.62	0.06	0.56	0.73
Glazing B	0.61	0.05	0.56	0.80
Glazing C	0.51	0.04	0.47	0.87
Glazing D	0.29	0.02	0.27	0.92

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

Visual comfort		
Normal solar transmittance	Class 3	Good effect
Glare control	Class 1	Little effect
Privacy night	Class 1	Little effect
Visual contact with the outside	Class 3	Good effect
Daylight utilisation	Class 1	Little effect

Thermal comfort G-factor = Total solar energy transmittance

Glazing A	Glazing B	Glazing C	Glazing D
Class 0	Class 0	Class 0	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 - jade river (031031)

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Front - Exterior — Serge 600 - jade river (031031)

Visual properties	
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Tuv = UV transmittance	6.80%

Solar energetic properties	
As = Solar absorptance	75.00%
Rs = Solar reflectance	17.90%
Ts = Solar transmittance	7.10%

Fabric + glazing: G-factor

	G	Te	Qi	SC
Glazing A	0.22	0.06	0.16	0.26
Glazing B	0.18	0.05	0.13	0.23
Glazing C	0.11	0.04	0.08	0.19
Glazing D	0.09	0.02	0.07	0.29

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

Thermal comfort G-factor = Total solar energy transmittance

Glazing A	Glazing B	Glazing C	Glazing D
Class 2	Class 2	Class 3	Class 4

Thermal comfort Qi-factor = Secondary heat transfer factor

Glazing A	Glazing B	Glazing C	Glazing D
Class 2	Class 2	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 - jade river (031031)

Visual properties	
Tv = Visual light transmittance	7.00%
Tuv = UV transmittance	6.80%

Solar energetic properties	
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Ts = Solar transmittance	7.10%

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Glazing A	Glazing B	Glazing C	Glazing D
Class 2	Class 2	Class 3	Class 4

Thermal comfort Qi-factor = Secondary heat transfer factor

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

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