Serge 1% - linen | linen (008008)

Technical info

FRONT

BACK

Widths		270 cm
Composition		Glassfibre 42% - PVC 58%
Openness factor	NBN EN 410	1.00%
Weight	NF EN 12127	620.00 g/m²
Thickness	ISO 5084	0.80 mm
Density	ISO 7211/2	WARP 20.00 yarn/cm WEFT 18.00 yarn/cm
Color fastness to artificial light	ISO 105 B02	>7
Color fastness to artificial weathering	ISO 105 B04	>7
Air permeability	ISO 9237	497.00l/m²/s
Roll length		30 m
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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Technical info

Tear strength	ISO 4674-1 methode 2		
└ Original		WARP 5.90 daN	WEFT 6.20 daN
└ After climatic chamber -30°C		WARP 6.00 daN	WEFT 6.20 daN
└ After climatic chamber +70°C		WARP 5.30 daN	WEFT 5.80 daN
Elongation up to break	ISO 1421		
└ Original		WARP 4.70 %	WEFT 3.80 %
└ After colour fastness to artificial weathering		WARP 4.70 %	WEFT 3.30 %
└ After climatic chamber -30°C		WARP 4.80 %	WEFT 3.90 %
└ After climatic chamber +70°C		WARP 5.00 %	WEFT 3.70 %
Breaking strength	ISO 1421		
└ Original		WARP 321.00 daN/5cm	WEFT 277.00 daN/5cm
└ After colour fastness to artificial weathering		WARP 225.00 daN/5cm	WEFT 216.00 daN/5cm
└ After climatic chamber -30°C		WARP 236.00 daN/5cm	WEFT 279.00 daN/5cm
└ After climatic chamber +70°C		WARP 251.00 daN/5cm	WEFT 266.00 daN/5cm

Front - Interior

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Visual properties	
Tv = Visual light transmittance	3.70%
Tuv = UV transmittance	1.60%

Solar energetic properties	
As = Solar absorptance	39.90%
Rs = Solar reflectance	54.20%
Ts = Solar transmittance	5.90%

Fabric + glazing: G-factor

	G	Te	Qi	SC
Glazing A	0.38	0.05	0.32	0.44
Glazing B	0.40	0.04	0.36	0.53
Glazing C	0.39	0.03	0.35	0.66
Glazing D	0.26	0.02	0.24	0.80

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 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

Back - Interior

Serge 1% - linen | linen (008008)

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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 1% - linen | linen (008008)

Visual properties	
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Tuv = UV transmittance	1.60%

Solar energetic properties	
As = Solar absorptance	39.90%
Rs = Solar reflectance	54.20%
Ts = Solar transmittance	5.90%

Fabric + glazing: G-factor

	G	Te	Qi	SC
Glazing A	0.11	0.05	0.06	0.13
Glazing B	0.09	0.04	0.04	0.12
Glazing C	0.06	0.03	0.03	0.10
Glazing D	0.04	0.02	0.03	0.14

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 3	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

Back - Exterior — Serge 1% - linen | linen (008008)

Visual properties	
Tv = Visual light transmittance	3.70%
Tuv = UV transmittance	1.60%

Solar energetic properties	
As = Solar absorptance	39.90%
Rs = Solar reflectance	54.20%
Ts = Solar transmittance	5.90%

Fabric + glazing: G-factor

	G	Te	Qi	SC
Glazing A	0.11	0.05	0.06	0.13
Glazing B	0.09	0.04	0.04	0.12
Glazing C	0.06	0.03	0.03	0.10
Glazing D	0.04	0.02	0.03	0.14

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 3	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