copaco screenweavers

Out - Serge 600 / 007004 Pearl Grey | Gold

front:

back:

Widths			
220 cm	250 cm	270 cm	320 cm

TECHNICAL SPECIFICATION			STANDARD	RESULT
composition			Fibreglass 42% - PVC 58%	
openness factor			NBN EN 410	5.00%
weight			NF EN 12127	535.00g/m²
thickness			ISO 5084	0.55mm
density		warp	ISO 7211/2	18.00yarn/cm
		weft		14.00yarn/cm
colour fastness to artificial light			ISO 105 B02	>7
colour fastness to artificial weathering			ISO 105 B04	>7
tear strength	original	warp	ISO 4674-1 methode 2	8.50daN
		weft		7.50daN
elongation up to break	original	warp	ISO 1421	3.10%
		weft		2.75%
breaking strength	original	warp	ISO 1421	260.00daN/5 cm
		weft		225.00daN/5 cm
elongation up to break	after colour fastness to artifical light	warp	ISO 1421	4.00%
		weft		2.90%
breaking strength	after colour fastness to artifical light	warp	ISO 1421	240.00daN/5 cm
		weft		220.00daN/5 cm
elongation up to break	after colour fastness to artifical weathering	warp	ISO 1421	3.50%
		weft		2.80%
breaking strength	after colour fastness to artifical weathering	warp	ISO 1421	240.00daN/5 cm
		weft		225.00daN/5 cm
tear strength	after climatic chamber -30°C	warp	ISO 4674-1 methode 2	7.80daN
		weft		7.50daN

TECHNICAL SPECIFICATION			STANDARD	RESULT
elongation up to break	after climatic chamber -30°C	warp	ISO 1421	3.00%
		weft		2.50%
breaking strength	after climatic chamber -30°C	warp	ISO 1421	225.00daN/5 cm
		weft		200.00daN/5 cm
tear strength	after climatic chamber +70°C	warp	ISO 4674-1 methode 2	8.20daN
		weft		7.20daN
elongation up to break	after climatic chamber +70°C	warp	ISO 1421	2.85%
		weft		2.50%
breaking strength	after climatic chamber +70°C	warp	ISO 1421	180.00daN/5 cm
		weft		185.00daN/5 cm
air permeability			ISO 9237	580.00l/m²/s
fire classification	Europe		UNE-EN 13501-1:2007	C-s3,d0
fire classification	France		NF P92-503	M1
fire classification	Italy		UNI 9177	Class 1
fire classification	Germany		DIN 4102	B1
fire classification	UK		BS 5867	C
fire classification	USA		NFPA 701	FR
roll length				50 m / 30 m for all widths > 270 cm
cleaning				with soapy water
confection				by heat, high frequency or ultrasonic welding

copaco screenweavers

FRONT - INTERIOR

VISUAL PROPERTIES	
Tv: Visual light transmittance	7.80%
Tuv: UV transmittance	6.20%

SOLAR ENERGETIC PROPERTIES	
As = Solar absorptance	49.30%
Rs = Solar reflectance	40.80%
Ts = Solar transmittance	9.90%

FABRIC + GLAZING: G-FACTOR			
Glazing A	Glazing B	Glazing C	Glazing D
G = Total solar energy transmittance			
0.49	0.49	0.44	0.27
Te = Direct solar transmittance			
0.08	0.07	0.05	0.03
Qi = Secondary heat transfer factor			
0.40	0.42	0.38	0.24
SC = Shading Coefficient			
0.57	0.65	0.74	0.85

CLASSES		
Visual comfort		
Normal solar transmittance	3	Class 0: very little effect
Glare control	1	Class 1: little effect
Privacy night	1	Class 2: moderate effect
Visual contact with the outside	3	Class 3: good effect
Daylight utilisation	1	Class 4: very good effect
Thermal comfort		
G-factor = Total solar energy transmittance		
Glazing A	1	Class 0: very little effect
Glazing B	1	Class 1: little effect
Glazing C	1	Class 2: moderate effect
Glazing D	2	Class 3: good effect
		Class 4: very good effect
Qi-factor = Secondary heat transfer factor		
Glazing A	0	Class 0: very little effect
Glazing B	0	Class 1: little effect
Glazing C	0	Class 2: moderate effect
Glazing D	1	Class 3: good effect
		Class 4: very good effect

copaco screenweavers

FRONT - EXTERIOR

VISUAL PROPERTIES	
Tv: Visual light transmittance	7.80%
Tuv: UV transmittance	6.20%

SOLAR ENERGETIC PROPERTIES	
As = Solar absorptance	49.30%
Rs = Solar reflectance	40.80%
Ts = Solar transmittance	9.90%

FABRIC + GLAZING: G-FACTOR			
Glazing A	Glazing B	Glazing C	Glazing D
G = Total solar energy transmittance			
0.19	0.16	0.11	0.08
Te = Direct solar transmittance			
0.08	0.07	0.05	0.03
Qi = Secondary heat transfer factor			
0.11	0.09	0.05	0.05
SC = Shading Coefficient			
0.23	0.21	0.18	0.26

CLASSES		
Visual comfort		
Normal solar transmittance	3	Class 0: very little effect
Glare control	1	Class 1: little effect
Privacy night	1	Class 2: moderate effect
Visual contact with the outside	3	Class 3: good effect
Daylight utilisation	1	Class 4: very good effect
Thermal comfort		
G-factor = Total solar energy transmittance		
Glazing A	2	Class 0: very little effect
Glazing B	2	Class 1: little effect
Glazing C	3	Class 2: moderate effect
Glazing D	4	Class 3: good effect
		Class 4: very good effect
Qi-factor = Secondary heat transfer factor		
Glazing A	2	Class 0: very little effect
Glazing B	3	Class 1: little effect
Glazing C	3	Class 2: moderate effect
Glazing D	3	Class 3: good effect
		Class 4: very good effect

copaco screenweavers

BACK - INTERIOR

VISUAL PROPERTIES	
Tv: Visual light transmittance	7.80%
Tuv: UV transmittance	6.20%

SOLAR ENERGETIC PROPERTIES	
As = Solar absorptance	50.90%
Rs = Solar reflectance	39.20%
Ts = Solar transmittance	9.90%

FABRIC + GLAZING: G-FACTOR			
Glazing A	Glazing B	Glazing C	Glazing D
G = Total solar energy transmittance			
0.50	0.50	0.44	0.27
Te = Direct solar transmittance			
0.08	0.07	0.05	0.03
Qi = Secondary heat transfer factor			
0.41	0.43	0.39	0.24
SC = Shading Coefficient			
0.58	0.66	0.75	0.86

CLASSES		
Visual comfort		
Normal solar transmittance	3	Class 0: very little effect
Glare control	1	Class 1: little effect
Privacy night	1	Class 2: moderate effect
Visual contact with the outside	3	Class 3: good effect
Daylight utilisation	1	Class 4: very good effect
Thermal comfort		
G-factor = Total solar energy transmittance		
Glazing A	1	Class 0: very little effect
Glazing B	1	Class 1: little effect
Glazing C	1	Class 2: moderate effect
Glazing D	2	Class 3: good effect
		Class 4: very good effect
Qi-factor = Secondary heat transfer factor		
Glazing A	0	Class 0: very little effect
Glazing B	0	Class 1: little effect
Glazing C	0	Class 2: moderate effect
Glazing D	1	Class 3: good effect
		Class 4: very good effect

copaco screenweavers

BACK - EXTERIOR

VISUAL PROPERTIES	
Tv: Visual light transmittance	7.80%
Tuv: UV transmittance	6.20%

SOLAR ENERGETIC PROPERTIES	
As = Solar absorptance	50.90%
Rs = Solar reflectance	39.20%
Ts = Solar transmittance	9.90%

FABRIC + GLAZING: G-FACTOR			
Glazing A	Glazing B	Glazing C	Glazing D
G = Total solar energy transmittance			
0.20	0.16	0.11	0.08
Te = Direct solar transmittance			
0.08	0.07	0.06	0.03
Qi = Secondary heat transfer factor			
0.11	0.09	0.06	0.05
SC = Shading Coefficient			
0.23	0.21	0.19	0.27

CLASSES		
Visual comfort		
Normal solar transmittance	3	Class 0: very little effect
Glare control	1	Class 1: little effect
Privacy night	1	Class 2: moderate effect
Visual contact with the outside	3	Class 3: good effect
Daylight utilisation	1	Class 4: very good effect
Thermal comfort		
G-factor = Total solar energy transmittance		
Glazing A	2	Class 0: very little effect
Glazing B	2	Class 1: little effect
Glazing C	3	Class 2: moderate effect
Glazing D	4	Class 3: good effect
		Class 4: very good effect
Qi-factor = Secondary heat transfer factor		
Glazing A	2	Class 0: very little effect
Glazing B	3	Class 1: little effect
Glazing C	3	Class 2: moderate effect
Glazing D	3	Class 3: good effect
		Class 4: very good effect