

screen

**coulisse**



## Coulisse Screen; A unique collection where functionality meets design

- Our extensive collection of over 200 stock positions offers vast possibilities to fulfil the functional demands as well as the aesthetical wishes of architects, designers, manufacturers and end users. The wide variety of designs, widths and transparencies covers all possible requirements whether they are decorative or functional.
- Design screens: both the Ultimate and Metallic collection offer revolutionary possibilities for screen as a window decoration product. Our jacquard weaves and metallic yarns are unique and completely new in the screen market.
- PVC/polyester screens: the extruded yarn offers many advantages regarding design and functionality. This unique manufacturing technique enables us to weave bi-coloured and shiny yarns and makes us more flexible

in response to special contract enquiries (colours, widths and designs).

- Visual comfort: our pvc-coated polyester yarns offer a better visual comfort compared to other screen fabrics in the market. The visible light transmittance (Tv) is lower compared to other fabrics with the same openness factor and colour.
- XL-widths: our 4600 (3% OF) is available in a width of 320 cm (as well as in 160, 213 and 249 cm) and offers a seamless processing of the fabric for even the biggest windows.
- XS-openness: the 4800 range comes in a 1% openness factor and is therefore the ultimate solution for the most demanding situations regarding visual comfort.
- The total Coulisse screen collection is "Greenquard Indoor Air Quality" certified and therefore contributes to a better and healthier indoor climate.

## Coulisse Screens; visual and thermal comfort

Screen solar shading experiences a growing interest from architects and property developers because of its excellent solar heat and light control properties and contribution to energy savings. Modern architecture involves large glazings offering more comfort on one hand but creating challenges regarding the indoor climate on the other.

Picture: contemporary architecture 100% glass



Coulisse screen fabrics are unrivalled when it comes to user-comfort in offices and in private homes. The fabrics are woven with pvc-coated polyester yarns. They perform extremely well in absorbing and reflecting solar radiation and therefore are the ideal solar shading fabrics (our exterior screens block up to 90% of the solar radiation) keeping the indoor temperature at a comfortable level. Furthermore, Coulisse screens are available in various openness factors offering a good contact with the outside world and protecting the user from being blinded which is of the utmost importance for the well-being of the user. The transparent weave structure allows daylight to enter freely into the building reducing the need for artificial light.

With a wide variety of weaving patterns, colours and transparencies Coulisse screens offer perfect sun control. Coulisse screens meet the most stringent European1 standards regarding visual and thermal comfort in office buildings. This comfort leads to a feeling of well-being, increases the efficiency of employees and decreases health-related absenteeism.



The environment, energy and sustainability are main topics on the international political agenda but there is also a growing awareness among company owners and consumers. Picture: climate change

The targets of the Kyoto protocol are ambitious; the European Community has therefore committed to reduce the total energy consumption in 2012 by 8% compared to 1990 levels. Buildings are the EU's largest energy users, consuming over 40% of Europe's total primary energy. In order to reach the ambitious goals of the Kyoto protocol the European Commission has issued a directive to the building industry, the EPBD2. This directive aims to reduce the energy consumption of buildings by 20% and encourages architects and building developers to design low-energy buildings. A scientific study ordered by the European Solar Shading Organisation (ES-SO) demonstrates that when systematically using solar shading a reduction of the cooling energy requirement of 15% can be obtained for the climate zone of Brussels and 30% for the climate zone of Rome.

## Ultimate and Metallic Screen

Our Ultimate and Metallic collections consist of exclusive designs and colours adding extra appeal to the screen product. The shiny yarn finishing gives the Metallic range a high-tech look. The rich collection offers 44 trend colours selected by our team of designers. The Ultimate Screen collection offers an exclusive range of fabrics in which new yarn types and weaves and beautiful jacquard designs are combined. This results in exclusive baroque and couture looks which create wonderful effects on the window. Furthermore they are perfect for the use of an unlimited number of decorative applications.



## Greenguard Indoor Air Quality Certification

The Coulisse 4500-4600-4800, the satiné ranges, the Metallics as well as the Ultimate Jacquards and Ultimate Couture are all "Greenguard Indoor Air Quality" certified. Greenguard has established performance based standards to define goods with low chemical and particle emissions for use indoors. The Greenguard Environmental Institute (GEI<sup>1)</sup> is an independent, non-profit organisation in the United States who wants to contribute to a better and healthier indoor climate.



<sup>1)</sup> All Coulisse screen fabrics are tested in conformity with EN 14501: Visual and Thermal comfort

<sup>2)</sup> EPBD: European Energy Performance of Buildings Directive

<sup>3)</sup> Greenguard Environmental Institute – [www.greenguard.org](http://www.greenguard.org)

Functionality meets design

# Screen 4500 5% OF

- PES/PVC
- Basket weave
- 12 colours, 3 widths (160, 213, 249 cm)
- Exterior & Interior
- Greenguard Indoor Air Quality Certified



## Screen 4500

5% OF



Screen 4500 is the perfect screen fabric for efficient, economical solar shading solutions in the contract and residential market.

The full basket weave is highly appreciated because of its calm weaving pattern and is therefore suitable for all types of interiors.

### Visual and thermal comfort properties

Visual comfort	Light transmission Tv		Thermal comfort	
			Solar factor g-tot*	
			exterior	interior
white colour	12%	white colour	0,10	0,33
midrange	9%	midrange	0,11	0,43
dark	7%	dark	0,12	0,55

### Technical specifications

Openness factor	5%
Composition	83% pvc, 17% polyester
Fabric width	160-213-249cm
Roll length	27,4m
Fabric weight	490 gr/m <sup>2</sup>
Fabric thickness	0,76mm
Yarn diameter in mm	0,33 warp, 0,33 weft
Breaking strength (ASTM D 5035)	warp 83 kg, weft 76 kg
Tearing strength (ASTM D 1117)	warp 10 kg, weft 10 kg
UV blockage	approximately 92%
Colour fastness (grey scale 1-5)	4 minimum
Fire classification	B1 DIN 4102, BS5867 Type B, FR NFPA 701 TM#1, Clase 1 UNE EN 13773:2003

### Manufacturing

Cutting	ultrasonic and crush cutting; best result ultrasonic
Welding	best result with thermal or HF-welding equipment
Fabric can be used in both directions; best result vertical direction	

### Cleaning

- Remove dust with a dry towel or vacuum cleaner.
- Fabric to be cleaned with lukewarm water and a mild detergent.
- Do not use aggressive chemicals.

### Solar heat and light control properties

Colour	Code	Ts	Rs	As	Tuv	Tv	Tv diff	Tv dir	Solar Factor EN 14501: glass type C			
									gtot ext	Class	gtot int	Class
	P06 chalk	13,3%	74,0%	12,7%	6,7%	10,7%	4,5%	6,3%	0,10	3	0,33	2
	P76 white linen	12,9%	63,1%	24,1%	7,2%	10,3%	3,6%	6,7%	0,11	3	0,36	1
	P78 chalk/soft grey	9,4%	49,4%	41,2%	7,0%	8,3%	1,7%	6,6%	0,10	3	0,41	1
	P79 chalk beige	10,7%	57,6%	31,7%	7,5%	9,2%	2,1%	7,1%	0,10	3	0,38	1
	P80 snow	14,2%	66,3%	19,4%	7,8%	12,0%	4,7%	7,2%	0,11	3	0,35	1
	P81 chalk/iron grey	9,2%	43,5%	47,4%	7,5%	8,7%	1,6%	7,1%	0,10	3	0,43	1
	QA2 grey sand	12,1%	52,8%	35,1%	7,0%	9,6%	3,1%	6,5%	0,11	3	0,40	1
	V10 ebony	6,6%	3,2%	90,3%	6,6%	6,5%	0,4%	6,1%	0,12	3	0,56	0
	V71 soft grey	8,1%	28,8%	63,1%	7,4%	7,7%	0,8%	6,9%	0,11	3	0,48	1
	V72 metal/pewter	7,8%	20,5%	71,7%	7,4%	7,5%	0,6%	6,9%	0,11	3	0,50	0
	V75 charcoal/dark bronze	6,7%	4,7%	88,6%	6,7%	6,7%	0,4%	6,3%	0,12	3	0,55	0
	V76 charcoal/iron grey	7,3%	9,9%	82,8%	7,2%	7,3%	0,5%	6,8%	0,12	3	0,54	0

**Measurements according to EN410; Classification according to EN 14501:** Blinds and shutters - Thermal and visual comfort

Ts:	solar Transmittance	
Rs:	solar Reflectance	
As:	solar Absorptance	
Tv:	light transmittance	
Tv diff:	diffuse light transmittance	gtot ext: solar factor glass+solar shading exterior application
Tv dir:	direct light transmittance	gtot int: solar factor glass+solar shading interior application
Tuv:	uv Transmittance	Class: classification from 0 to 4 where 0 is very little effect and 4 is very good effect

Functionality meets design

# Screen 4600

## 3% OF

- PES/PVC
- Basket weave
- 12 colours, 4 widths  
160-213-249-320 \* cm  
(colours marked \*)
- Exterior & Interior
- Greenguard Indoor  
Air Quality Certified



## Screen 4600

3% OF



With the 4600 range we offer perfect solar heat and light control properties and thus the ideal solution for demanding contract applications. Available in a 3,2m width it allows for seamless manufacturing for large glazings.

The full basket weave is highly appreciated because of its calm weaving pattern and ease of integration in all types of interiors.

### Visual and thermal comfort properties

	Visual comfort	Light transmission Tv	Thermal comfort	
			Solar factor g-tot*	
			exterior	interior
white colour	8%		0,08	0,32
midrange	6%		0,09	0,42
dark	4%		0,10	0,56

### Technical specifications

Openness factor	3%
Composition	78% pvc, 22% polyester
Fabric width	160-213-249-320*cm (colours marked*)
Roll length	27,4m
Fabric weight	590 gr/m <sup>2</sup>
Fabric thickness	0,76mm
Yarn diameter in mm	0,33 warp, 0,50 weft
Breaking strength (ASTM D 5035)	warp 83kg, weft 139 kg
Tearing strength (ASTM D 1117)	warp 11 kg, weft 24 kg
UV blockage	approximately 94%
Colour fastness (grey scale 1-5)	4 minimum
Fire classification	B1 DIN 4102, BS 5867 Type B, FR NFPA 701 TM#1, Clase 1 UNE EN 13773:2003

### Manufacturing

Cutting	ultrasonic and crush cutting; best result ultrasonic
Welding	best result with thermal or HF-welding
Fabric can be used in both directions; best result vertical direction	

### Cleaning

- Remove dust with a dry towel or vacuum cleaner.
- Fabric to be cleaned with lukewarm water and a mild detergent.
- Do not use aggressive chemicals.

### Solar heat and light control properties

Colour	Code	Ts	Rs	As	Tuv	Tv	Tv diff	Tv dir	Solar Factor EN 14501: glass type C			
									gtot ext	Class	gtot int	Class
	P06 chalk	9,9%	76,8%	13,3%	4,0%	7,7%	4,1%	3,6%	0,08	4	0,32	2
	P76 white linen	9,5%	65,9%	24,6%	4,3%	7,3%	3,2%	4,1%	0,08	4	0,36	2
	P78 chalk/soft grey	6,0%	52,2%	41,8%	4,5%	5,3%	1,4%	3,9%	0,08	4	0,40	1
	P79 chalk beige	7,3%	60,4%	32,3%	4,0%	6,2%	1,8%	4,4%	0,08	4	0,37	2
	P80 snow	10,8%	69,1%	20,1%	3,9%	9,0%	4,2%	4,8%	0,09	4	0,34	2
	P81 chalk/iron grey	5,8%	46,3%	47,9%	4,4%	5,7%	1,3%	4,4%	0,08	4	0,42	1
	QA2 grey sand	8,7%	55,6%	35,7%	3,8%	6,6%	2,7%	3,9%	0,09	4	0,39	2
	V10 ebony	3,2%	3,9%	92,9%	3,6%	3,5%	0,3%	3,2%	0,10	3	0,56	0
	V71 soft grey	4,7%	31,6%	63,7%	4,1%	4,7%	0,6%	4,1%	0,09	4	0,47	1
	V72 metal/pewter	4,4%	21,5%	74,1%	3,9%	4,5%	0,4%	4,1%	0,09	4	0,50	0
	V75 charcoal/dark bronze	3,3%	5,1%	91,6%	3,7%	3,7%	0,3%	3,4%	0,10	3	0,55	0
	V76 charcoal/iron grey	3,0%	10,6%	86,4%	3,7%	4,3%	0,3%	4,0%	0,10	3	0,53	0

**Measurements according to EN410; Classification according to EN 14501:** Blinds and shutters - Thermal and visual comfort

Ts:	solar Transmittance	
Rs:	solar Reflectance	
As:	solar Absorptance	
Tv:	light transmittance	
Tv diff:	diffuse light transmittance	gtot ext: solar factor glass+solar shading exterior application
Tv dir:	direct light transmittance	gtot int: solar factor glass+solar shading exterior application
Tuv:	uv Transmittance	Class: classification from 0 to 4 where 0 is very little effect and 4 is very good effect

Functionality meets design

# Screen 4800

## 1% OF

- PES/PVC
- Basket weave
- 6 colours, 1 width (249 cm)
- Exterior & Interior
- Greenguard Indoor Air Quality Certified



## Screen 4800

1% OF



With its 1% openness factor the 4800 range offers the best possible glare control and privacy that a screen fabric can offer.

### Visual and thermal comfort properties

Visual comfort		Thermal comfort		
Light transmission Tv		Solar factor g-tot*		
		exterior	interior	
white colour	9%	white colour	0,08	0,33
midrange	6%	midrange	0,07	0,36
dark	0%	dark	0,09	0,56

### Technical specifications

Openness factor	1%
Composition	76%pvc, 24% polyester
Fabric width	249cm
Roll length	27,4m
Fabric weight	625 gr/m <sup>2</sup>
Fabric thickness	0,91mm
Yarn diameter in mm	0,50 warp, 0,50 weft
Breaking strength (ASTM D 5035)	warp 180 kg, weft 60 kg
Tearing strength (ASTM D 1117)	warp 57 kg, weft 16 kg
UV blockage	approximately 99%
Colour fastness (grey scale 1-5)	4 minimum
Fire classification	B1 DIN 4102, BS 5867 Type B, FR NFPA 701 TM#1, Clase 1 UNE EN 13773:2003

### Manufacturing

Cutting	ultrasonic and crush cutting; best result ultrasonic
Welding	best result with thermal or HF-welding
Fabric can be used in both directions; best result vertical direction	

### Cleaning

- Remove dust with a dry towel or vacuum cleaner.
- Fabric to be cleaned with lukewarm water and a mild detergent.
- Do not use aggressive chemicals.

### Solar heat and light control properties

Colour	Code	Ts	Rs	As	Tuv	Tv	Tv diff	Tv dir	Solar Factor EN 14501: glass type C			
									gtot ext	Class	gtot int	Class
	P06 chalk	11%	75%	14%	1%	9,1%	8,1%	1,0%	0,08	4	0,33	2
	P76 white linen	8%	69%	23%	1%	6,4%	5,5%	0,8%	0,07	4	0,35	1
	P78 chalk/soft grey	7%	65%	28%	1%	5,6%	5,0%	0,6%	0,07	4	0,36	1
	V10 ebony	0%	3%	97%	0%	0,1%	0,0%	0,0%	0,09	4	0,56	0
	V71 soft grey	1%	27%	72%	1%	1,0%	0,5%	0,5%	0,07	4	0,48	1
	V75 charcoal/dark bronze	0%	4%	96%	0%	0,0%	0,0%	0,0%	0,09	4	0,55	0

**Measurements according to EN410; Classification according to EN 14501:** Blinds and shutters - Thermal and visual comfort

Ts:	solar Transmittance	
Rs:	solar Reflectance	
As:	solar Absorptance	
Tv:	light transmittance	
Tv diff:	diffuse light transmittance	gtot ext: solar factor glass+solar shading exterior application
Tv dir:	direct light transmittance	gtot int: solar factor glass+solar shading exterior application
Tuv:	uv Transmittance	Class: classification from 0 to 4 where 0 is very little effect and 4 is very good effect

Functionality meets design

# Satiné

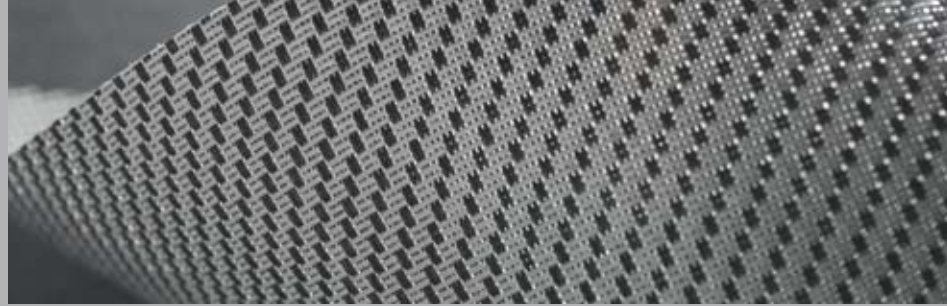
## 5% OF

- PES/PVC
- Twill-weave
- 15 colours, 4 fabric widths  
(160-190-213-249 cm)
- Exterior & Interior
- Greenguard Indoor  
Air Quality Certified



## Satiné

5% OF



For over 40 years now satiné has been the preferred twill type screen fabric; for outside applications it is praised because of its stability and strength and for inside applications

because of its dual colour tone which is optimal for heat and light control.

### Visual and thermal comfort properties

Visual comfort	Light transmission Tv	Thermal comfort	Solar factor g-tot*	
			exterior	interior
white colour	15%	white colour	0,13	0,35
midrange	11%	midrange	0,12	0,45
dark	7%	dark	0,12	0,55

### Technical specifications

Openness factor	5%
Composition	80 % pvc, 20 % polyester
Fabric width	160-190-213-249cm
Roll length	27,4m
Fabric weight	450 gr/m <sup>2</sup>
Fabric thickness	0,70mm
Yarn diameter in mm	warp 0,40, weft 0,40
Breaking strength (ASTM D 5035)	warp 83 kg, weft 66 kg
Tearing strength (ASTM D 1117)	warp 13 kg, weft 10 kg
UV blockage	approximately 94%
Colourfastness (grey scale 1-5)	4 minimum
Fire classification	M1 NFP 92 503, B1 DIN 4102, BS 5867 Type B, FR NFPA 701 TM#1, Classe 1 UNE EN 13773:2003

### Manufacturing

Cutting	ultrasonic and crush cutting; best result ultrasonic
Welding	best result with thermal or HF-welding
Fabric can be used in both directions; best result vertical direction	

### Cleaning

Remove dust with a dry towel or vacuum cleaner.  
Fabric to be cleaned with lukewarm water and a mild detergent.  
Do not use aggressive chemicals.

### Solar heat and light control properties

Colour	Code	Ts	Rs	As	Tuv	Tv	Tv diff	Tv dir	Solar Factor EN 14501: glass type C			
									gtot ext	Class	gtot int	Class
	A01 white	17,4%	68,3%	14,4%	7,2%	14,5%	7,9%	6,6%	0,13	3	0,35	1
	A02 white-pearl front	13,2%	54,0%	32,7%	8,1%	11,0%	3,5%	7,5%	0,12	3	0,39	1
	A02 white-pearl back	13,2%	47,2%	39,5%	8,1%	11,0%	3,5%	7,5%	0,12	3	0,42	1
	B01 linen	13,9%	52,1%	34,1%	7,1%	10,0%	3,5%	6,6%	0,12	3	0,40	1
	B02 linen-white front	15,5%	56,8%	27,6%	7,5%	11,8%	4,9%	6,9%	0,13	3	0,39	1
	B02 linen-white back	15,5%	60,6%	23,8%	7,5%	11,8%	4,9%	6,9%	0,12	3	0,37	1
	C01 sand	9,7%	32,7%	57,6%	7,5%	8,1%	1,2%	7,0%	0,11	3	0,46	1
	C02 sand-white front	11,9%	42,6%	45,4%	7,9%	9,8%	2,6%	7,3%	0,12	3	0,43	1
	C02 sand-white back	11,9%	50,5%	37,6%	7,9%	9,8%	2,6%	7,3%	0,11	3	0,41	1
	D01 pearl	10,5%	34,3%	55,2%	7,9%	8,9%	1,6%	7,3%	0,12	3	0,46	1
	D02 pearl-dark blue front	8,8%	26,5%	64,7%	7,1%	7,5%	0,9%	6,5%	0,12	3	0,48	1
	D02 pearl-dark blue back	8,8%	21,2%	70,0%	7,1%	7,5%	0,9%	6,5%	0,12	3	0,50	0
	E01 grey	7,6%	14,4%	78,0%	7,0%	7,1%	0,7%	6,4%	0,12	3	0,52	0
	E02 grey-white front	9,5%	29,2%	61,3%	7,2%	8,6%	2,0%	6,6%	0,12	3	0,47	1
	E02 grey-white back	9,5%	40,8%	49,7%	7,2%	8,6%	2,0%	6,6%	0,11	3	0,44	1
	E03 grey-sand front	8,4%	19,9%	71,6%	7,3%	7,6%	0,9%	6,7%	0,12	3	0,50	0
	E03 grey-sand back	8,4%	24,5%	67,0%	7,3%	7,6%	0,9%	6,7%	0,12	3	0,49	1
	E04 grey-black front	7,7%	10,9%	81,4%	7,4%	7,4%	0,7%	6,8%	0,12	3	0,53	0
	E04 grey-black back	7,7%	9,1%	83,3%	7,4%	7,4%	0,7%	6,8%	0,12	3	0,54	0
	E05 grey-dark blue front	8,3%	13,2%	78,5%	7,5%	7,6%	0,7%	6,9%	0,12	3	0,53	0
	E05 grey-dark blue back	8,3%	13,0%	78,7%	7,5%	7,6%	0,7%	6,9%	0,12	3	0,53	0
	F01 dark blue	7,1%	11,7%	81,2%	6,0%	6,1%	0,6%	5,5%	0,12	3	0,53	0
	G01 black	6,9%	5,3%	87,8%	6,8%	6,9%	0,6%	6,3%	0,12	3	0,55	0

Measurements according to EN410; Classification according to EN 14501: Blinds and shutters - Thermal and visual comfort

Ts: solar Transmittance

Rs: solar Reflectance

As: solar Absorptance

Tv: light transmittance

Tv diff: diffuse light transmittance

Tv dir: direct light transmittance

Tuv: uv Transmittance

gtot ext: solar factor glass+solar shading exterior application

gtot int: solar factor glass+solar shading exterior application

Class: classification from 0 to 4 where 0 is very little effect and 4 is very good effect

Functionality meets design

# **Metallics** 5&7% OF

- **PES/PVC**
- **Basket weave**
- **44 metallic colours, 1 width (249 cm)**
- **Exterior & Interior**
- **Greenguard Indoor Air Quality Certified**



## Metallics

5&7% OF



The metallic screen fabrics have a unique metallic look in a vast variety of colour tones and combinations.

The metallic pvc-coated polyester yarns, which are woven in a 2x2 basket weave (5% OF) and a unique 4x2

weave construction (7% OF), offer a uniform texture with a powerful technical look. When exposed to light the metallic yarns shimmer and create a high tech accent in the interior design or building architecture.

### Visual and thermal comfort properties

Visual comfort		Thermal comfort		
Light transmission Tv		Solar factor g-tot*		
		exterior	interior	
<b>5% OF</b>				
midrange	13%	midrange	0,12	0,43
dark	8%	dark	0,16	0,53
<b>7% OF</b>		exterior	interior	
white colour	50%	white colour	0,32	0,44
midrange	30%	midrange	0,25	0,53
dark	11%	dark	0,16	0,58

Technical specifications	5% OF (2x2 weave)	7% OF (4x2 weave)
Openness factor	5%	7%
Composition	75% pvc, 25% polyester	78% pvc, 22% polyester
Fabric width	249cm	249cm
Roll length	27,4m	27,4m
Fabric weight	620 gr/m <sup>2</sup>	565 gr/m <sup>2</sup>
Fabric thickness	0,90 mm	0,90 mm
Yarn diameter in mm	0,53 warp, 0,53 weft	0,39 warp, 0,53 weft
Breaking strength (ASTM D 5035)	warp 140 kg, weft 125 kg	warp 86 kg, weft 130 kg
Tearing strength (ASTM D 1117)	warp 37 kg, weft 30 kg	warp 16 kg, weft 30 kg
UV blockage	approximately 90%	approximately 90%
Colours (grey scale 1-5)	4 minimum	4 minimum
Fire classification	FR NFPA 701 TM#1	

### Manufacturing

Cutting ultrasonic and crush cutting; best result ultrasonic

Welding best result with thermal or HF-welding

Fabric can be used in both directions; best result vertical direction.

### Cleaning

Remove dust with a dry towel or vacuum cleaner.

Fabric to be cleaned with lukewarm water and a mild detergent.

Do not use aggressive chemicals.

## Solar heat and light control properties

Colour	Code	Ts	Rs	As	Tuv	Tv	Tv diff	Tv dir	Solar Factor EN 14501: glass type C				
									gtot ext	Class	gtot int	Class	
<b>5% OF</b>													
	T64 Pirate Black	14,7%	12,4%	72,9%	7,5%	12,7%	5,7%	7,0%	0,16	2	0,53	0	
	T67 Ginger	15,4%	22,6%	61,9%	7,8%	10,5%	3,3%	7,2%	0,16	2	0,50	0	
	T68 Pale Gold	13,3%	18,5%	68,2%	7,5%	9,1%	2,1%	6,9%	0,15	2	0,51	0	
	T69 Bronze Mist	12,3%	43,5%	44,2%	7,3%	9,5%	2,6%	6,8%	0,12	3	0,43	1	
	T70 Smoked Pearl	15,1%	17,0%	67,9%	7,6%	12,5%	5,3%	7,1%	0,16	2	0,52	0	
	T71 Bronze Brown	12,0%	10,9%	77,1%	7,9%	9,2%	1,8%	7,4%	0,15	2	0,53	0	
	T72 Java	9,9%	9,9%	80,2%	7,7%	8,6%	1,5%	7,1%	0,14	3	0,54	0	
	T73 Allure	11,1%	33,7%	55,3%	7,9%	9,7%	2,2%	7,4%	0,12	3	0,46	1	
	T74 Black Forest	12,6%	27,3%	60,1%	8,0%	10,4%	2,9%	7,5%	0,14	3	0,48	1	
	T75 Black Iris	10,1%	26,4%	63,6%	7,3%	8,4%	1,6%	6,8%	0,12	3	0,48	1	
	T76 Urban Chic	10,4%	26,5%	63,1%	8,0%	9,1%	1,6%	7,5%	0,12	3	0,48	1	
	T77 Black Coffee	9,2%	7,0%	83,8%	7,6%	8,3%	1,2%	7,1%	0,13	3	0,55	0	
	T78 Moonless Night	9,0%	5,4%	85,5%	7,4%	8,3%	1,3%	6,9%	0,14	3	0,55	0	
	T79 Mocha Mousse	13,2%	14,2%	72,7%	7,9%	10,2%	2,8%	7,4%	0,15	2	0,52	0	

Measurements according to EN410; Classification according to EN 14501: Blinds and shutters - Thermal and visual comfort

Ts: solar Transmittance

Rs: solar Reflectance

As: solar Absorptance

Tv: light transmittance

Tv diff: diffuse light transmittance

Tv dir: direct light transmittance































Tuv: uv Transmittance

gtot ext: solar factor glass+solar shading exterior application

gtot int: solar factor glass+solar shading exterior application

Class: classification from 0 to 4 where 0 is very little effect and 4 is very good effect

## Solar heat and light control properties

Colour	Code	Ts	Rs	As	Tuv	Tv	Tv diff	Tv dir	Solar Factor EN 14501: glass type C				
									gtot ext	Class	gtot int	Class	
<b>7% OF</b>													
	T27 Snow White	46,6%	42,6%	10,8%	8,1%	49,5%	41,4%	8,1%	0,32	2	0,44	1	
	T28 Almond	27,2%	28,5%	44,3%	8,2%	23,8%	16,0%	7,9%	0,22	2	0,48	1	
	T30 Black Ink	23,3%	17,5%	59,2%	8,7%	22,0%	13,4%	8,7%	0,21	2	0,52	0	
	T34 Safari	28,9%	25,5%	45,5%	9,4%	26,8%	17,6%	9,2%	0,23	2	0,49	1	
	T41 Silver Lining	33,5%	29,1%	37,3%	8,2%	34,2%	26,2%	8,1%	0,25	2	0,48	1	
	T42 Silver	30,5%	24,3%	45,1%	9,1%	29,4%	20,4%	8,9%	0,24	2	0,50	0	
	T43 Dove	24,1%	23,9%	52,0%	9,1%	21,6%	12,8%	8,8%	0,21	2	0,50	0	
	T44 Clove	20,2%	19,8%	60,0%	8,8%	19,3%	10,7%	8,5%	0,19	2	0,51	0	
	T45 Iron	33,7%	32,8%	33,5%	9,5%	22,9%	13,7%	9,2%	0,25	2	0,47	1	
	T46 Toffee	19,2%	18,2%	62,6%	8,6%	18,8%	10,5%	8,3%	0,18	2	0,51	0	
	T47 Metal	34,9%	29,4%	35,7%	8,8%	35,6%	27,1%	8,6%	0,26	2	0,48	1	
	T48 Black Olive	19,3%	13,9%	66,9%	8,8%	17,8%	9,3%	8,5%	0,19	2	0,53	0	
	T49 Ash	25,8%	24,7%	49,4%	9,0%	17,8%	9,1%	8,7%	0,21	2	0,49	1	
	T50 Dark Earth	15,8%	14,8%	69,4%	8,5%	15,2%	7,1%	8,2%	0,17	2	0,52	0	
	T51 Fossil	15,4%	12,5%	72,2%	8,0%	15,1%	7,3%	7,8%	0,17	2	0,53	0	
	T52 Brown Sugar	15,8%	15,8%	68,4%	8,7%	11,8%	3,5%	8,3%	0,16	2	0,52	0	
	T53 Warm Taupe	14,0%	17,8%	68,2%	8,7%	10,8%	2,5%	8,3%	0,15	2	0,51	0	
	T54 Shale	21,9%	26,8%	51,3%	8,8%	11,3%	3,0%	8,3%	0,19	2	0,49	1	
	T55 Indian Tan	12,7%	15,9%	71,4%	8,0%	10,5%	2,9%	7,6%	0,15	2	0,52	0	
	T56 Angora	26,2%	27,9%	45,9%	8,6%	22,7%	14,3%	8,4%	0,21	2	0,48	1	
	T57 Champagne	19,2%	19,4%	61,4%	8,9%	15,2%	6,7%	8,6%	0,18	2	0,51	0	
	T58 Antique Bronze	14,2%	14,5%	71,3%	8,3%	10,9%	3,0%	7,9%	0,16	2	0,52	0	
	T59 Moonlight	15,5%	19,9%	64,6%	9,0%	11,4%	2,9%	8,5%	0,16	2	0,51	0	
	T60 Dull Gold	12,5%	15,8%	71,7%	8,4%	10,2%	2,2%	8,0%	0,15	2	0,52	0	
	T61 Silver Cloud	31,9%	26,8%	41,3%	8,7%	31,1%	22,6%	8,5%	0,25	2	0,49	1	
	T62 Dune	21,5%	20,5%	57,9%	8,7%	17,8%	9,4%	8,4%	0,19	2	0,51	0	
	T63 Moon Mist	23,5%	18,1%	58,4%	8,4%	21,3%	13,2%	8,1%	0,21	2	0,51	0	
	T65 Cognac	16,1%	15,0%	68,9%	8,5%	14,3%	5,7%	8,2%	0,17	2	0,52	0	
	T66 Chocolate	16,9%	14,1%	69,0%	9,2%	15,8%	6,1%	8,9%	0,17	2	0,53	0	
	T80 Peat	18,8%	13,1%	68,2%	9,1%	16,6%	7,9%	8,7%	0,18	2	0,53	0	



Functionality meets design

# Ultimate jacquard 4% OF

- PES/PVC
- Jacquard weave
- 5 colours, 2 patterns,  
1 width (249cm)
- Exterior & Interior
- Greenguard Indoor  
Air Quality Certified



## Ultimate jacquard 4% OF

The use of metallic and transparent yarns, dark and bright colours in beautiful jacquard designs, creates rich contrasts and a stylish and sophisticated fabric. The weave pattern is only discretely visible from the

inside of the window during the day due to the open weave structure, while on the outside the weave pattern and colours create a striking architectural accent on the exterior of the building.

### Visual and thermal comfort properties

	Visual comfort	Light transmission Tv	Thermal comfort	
			Solar factor g-tot*	
			exterior	interior
white colour	31%		0,22	0,42
midrange	25%		0,22	0,49
dark	25%		0,21	0,49

### Technical specifications

Openness factor	4%
Composition	75% pvc, 25% polyester
Fabric width	249cm
Roll length	27,4m
Fabric weight	475 gr/m <sup>2</sup>
Fabric thickness	0,97 mm
Yarn diameter in mm	0,47 warp, 0,38 weft
Breaking strength (ASTM D 5035)	warp 167 kg, weft 46 kg
Tearing strength (ASTM D 1117)	warp 60 kg, weft 10 kg
UV blockage	approximately 90%
Colours (grey scale 1-5)	4 minimum

### Manufacturing

Cutting	ultrasonic and crush cutting; best result ultrasonic
Welding	best result with thermal or HF-welding

Fabric to be used in vertical direction.




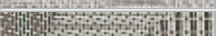






### Cleaning

Remove dust with a dry towel or vacuum cleaner.

Fabric to be cleaned with lukewarm water and a mild detergent.

Do not use aggressive chemicals.

## Solar heat and light control properties

Colour	Code	Ts	Rs	As	Tuv	Tv	Tv diff	Tv dir	Solar Factor EN 14501: glass type C			
									gtot ext	Class	gtot int	Class
	O01 snow white	30,5%	48,0%	21,5%	5,9%	30,5%	24,9%	5,6%	0,22	2	0,42	1
	O02 silver cloud	34,5%	32,8%	32,7%	5,1%	35,2%	30,4%	4,8%	0,26	2	0,47	1
	O03 dove	26,7%	30,1%	43,2%	4,4%	25,0%	20,8%	4,2%	0,22	2	0,49	1
	O04 fossil	21,8%	25,7%	52,4%	5,0%	21,8%	16,9%	4,9%	0,19	2	0,49	1
	O05 black ink	25,1%	26,5%	48,4%	4,6%	24,5%	20,2%	4,4%	0,21	2	0,49	1
	M01 snow white	34,2%	44,9%	20,9%	7,6%	34,6%	27,3%	7,3%	0,24	2	0,43	1
	M02 silver cloud	37,0%	30,9%	32,1%	6,4%	37,9%	31,8%	6,1%	0,27	2	0,48	1
	M03 dove	31,3%	30,8%	37,9%	6,2%	30,1%	24,3%	5,8%	0,24	2	0,47	1
	M04 fossil	28,3%	25,3%	46,3%	7,7%	28,7%	21,3%	7,4%	0,23	2	0,49	1
	M05 black ink	29,7%	26,9%	43,3%	7,3%	29,6%	22,7%	6,9%	0,24	2	0,49	1



Pattern O



Pattern M

**Measurements according to EN410; Classification according to EN 14501:** Blinds and shutters - Thermal and visual comfort

Ts: solar Transmittance

Rs: solar Reflectance

As: solar Absorptance

Tv: light transmittance

Tv diff: diffuse light transmittance

Tv dir: direct light transmittance

Tuv: uv Transmittance

gtot ext: solar factor glass+solar shading exterior application

gtot int: solar factor glass+solar shading exterior application

Class: classification from 0 to 4 where 0 is very little effect and 4 is very good effect

Functionality meets design

# Ultimate couture 3% OF

- PES/PVC
- Basket weave
- 4 colours, 1 width (249cm)
- Interior
- Greenguard Indoor  
Air Quality Certified



## Ultimate couture 3% OF

The use of thin transparent yarns in combination with plain and colour dyed yarns creates a refined texture in these couture look screen fabrics.

When exposed to sunlight the fabric shimmers beautifully and offers a sophisticated look.

### Visual and thermal comfort properties

Visual comfort	Light transmission Tv	Thermal comfort	Solar factor g-tot*
white colour	29%	white colour	0,39
midrange	22%	midrange	0,49
dark	15%	dark	0,5

### Technical specifications

Openness factor	3%
Composition	75% pvc, 25% polyester
Fabric width	249cm
Roll length	27,4m
Fabric weight	450 gr/m <sup>2</sup>
Fabric thickness	0,70 mm
Yarn diameter in mm	0,39 warp, 0,42 weft
Breaking strength (ASTM D 5035)	warp 83 kg, weft 73 kg
Tearing strength (ASTM D 1117)	warp 15 kg, weft 12 kg
UV blockage	approximately 90%
Colours (grey scale 1-5)	4 minimum

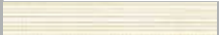

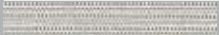

### Manufacturing

Cutting	ultrasonic and crush cutting; best result ultrasonic
Welding	best result with thermal or HF-welding
Fabric can be used in both directions; best result vertical direction.	

### Cleaning

- Remove dust with a dry towel or vacuum cleaner.
- Fabric to be cleaned with lukewarm water and a mild detergent.
- Do not use aggressive chemicals.

### Solar heat and light control properties

Colour	Code	Ts	Rs	As	Tuv	Tv	Tv diff	Tv dir	Solar Factor EN 14501: glass type C	
									gtot int	Class
	C01 Cloud Dancer	29,9%	55,8%	14,3%	4,7%	28,9%	24,8%	4,1%	0,39	1
	C02(Mojave Desert	30,6%	28,6%	40,8%	3,9%	28,6%	25,2%	3,4%	0,48	1
	C03 Cinder	25,6%	26,7%	47,7%	4,4%	22,3%	18,3%	4,0%	0,49	1
	C04 Dark Shadow	16,8%	21,8%	61,3%	3,8%	14,9%	11,5%	3,5%	0,50	0

### Measurements according to EN410; Classification according to EN 14501: Blinds and shutters - Thermal and visual comfort

Ts:	solar Transmittance	
Rs:	solar Reflectance	
As:	solar Absorptance	
Tv:	light transmittance	
Tv diff:	diffuse light transmittance	gtot ext: solar factor glass+solar shading exterior application
Tv dir:	direct light transmittance	gtot int: solar factor glass+solar shading exterior application
Tuv:	uv Transmittance	Class: classification from 0 to 4 where 0 is very little effect and 4 is very good effect



# coulisse

Coulisse B.V.  
Vonderweg 48  
7468 DC Enter  
The Netherlands

T +31 547 85 55 55  
F +31 547 85 55 50  
E [info@coulisse.nl](mailto:info@coulisse.nl)  
I [www.coulisse.nl](http://www.coulisse.nl)