



# Panama Pro

## **Fabric code**

BJ01A/BJ03A/BJ05A/BJ10A

OF 1/3/5/10%

Economic, lightweight and an explicit textile look.  
Ideal for meeting different demands of openness  
factors with the same weaving pattern.



Internal applications

The Screen Essentials



# Fabric code

BJ01A/BJ03A/BJ05A/BJ10A  
OF 1/3/5/10%

# The Screen Essentials

# Panama Pro

## Yarn

Tech. specifications	Average Values	Standard
Titer	95 tex	ISO 1889 (2009)
Weighted composition	Glass 36%, PVC 64%	ISO 3801 (1977)
Diameter	0.28 mm	
Environment		Oekotex standard 100



## Fabric

Type of fabric	PVC-coated fiberglass fabric			
Weave pattern	basket weave			

	1% OF (available on demand)	3% OF	5% OF	10% OF
Widths	fabric on rolls: 2500 mm	fabric on rolls: 2500 mm	fabric on rolls: 2500, 3100 mm Vertical vanes: 89, 127, 250 mm	fabric on rolls: 2500 mm
Roll length (nominally)	30 m	30 m	2500 mm: 30 m 3100 mm: 25 m Vertical vanes: 50 m	30 m

Tech. specifications	Average Values				Standard
Thickness	0.5 mm	0.5 mm	0.4 mm	0.5 mm	ISO/DIS 5084.2 (1996)
Mass	424 g/m <sup>2</sup>	390 g/m <sup>2</sup>	393 g/m <sup>2</sup>	351 g/m <sup>2</sup>	ISO 3801 (1977)
Fire resistance	M2	M2	M2	M2	UNE23.727-90
	FR	FR	FR	FR	NFPA 701 (2010)
	Class 2	Class 2	Class 2	Class 2	EN 13773
	B1	B1	B1	B1	ÖNORM_B_3820
Volatile organic compounds (VOC)	complies	complies	complies	complies	GREENGUARD
	complies	complies	complies	complies	GREENGUARD Children & Schools
Breaking strength warp/weft	240 daN/190 daN	250 daN/150 daN	200 daN/220 daN	200 daN/170 daN	ISO 13934-1 (1999)
Elongation at break warp/weft	6.8%/4.2%	6.6%/3.2%	5.6%/5.6%	5.4%/3.8%	ISO 13934-1 (1999)
Tear resistance warp/weft	7.3 daN/7.5 daN	6.9 daN/9.3 daN	7.9 daN/8.4 daN	6.8 daN/9.9 daN	ISO 4674 part 1 method A (2003)
Colourfastness	7-8 scale of blue	7 scale of blue	7 scale of blue	7 scale of blue	ISO 105 B02 (1994)
Air porosity	185 l/m <sup>2</sup> /sec	496 l/m <sup>2</sup> /sec	721 l/m <sup>2</sup> /sec	1180 l/m <sup>2</sup> /sec	ISO/DIS 9237 (1995)

## The Quality Chain

General - specifications are purely indicative and may not be considered as binding. Colours may vary from the samples shown

Cutting	crush or ultrasonic; railroad or width out of roll width
Welding	thermal, HF, ultrasonic, sewing
Cleaning	remove dust from the fabric surface, then wipe gently with a humid soft sponge while using a mild detergent



# Panama Pro 1%

(available on demand)

## 101101 white

Width: 2500 mm



Solar Heat & Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	13.4	74.2	12.4	12.6	11.4	1.2	1.4	11	Class 1

gtot

	A	B	C	D
	int.	int.	int.	int.
Values	0.3	0.32	0.33	0.24
Classes	2	2	2	2

## 101116 white-linen

Width: 2500 mm



Solar Heat & Light Control Properties

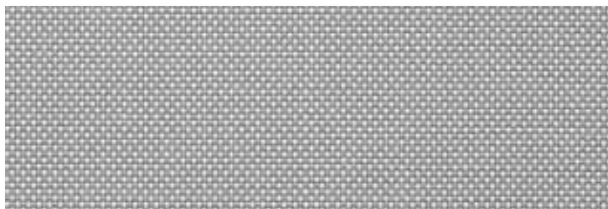
	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	12.6	66	21.4	10.3	9.1	1.2	1.3	9	Class 1

gtot

	A	B	C	D
	int.	int.	int.	int.
Values	0.34	0.36	0.36	0.25
Classes	2	1	1	2

## 101117 white-pearl

Width: 2500 mm



Solar Heat & Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	8.2	57.6	34.2	6.7	5.6	1.1	1.2	5.8	Class 1

gtot

	A	B	C	D
	int.	int.	int.	int.
Values	0.39	0.4	0.38	0.26
Classes	1	1	1	2

## 116116 linen

Width: 2500 mm



Solar Heat & Light Control Properties

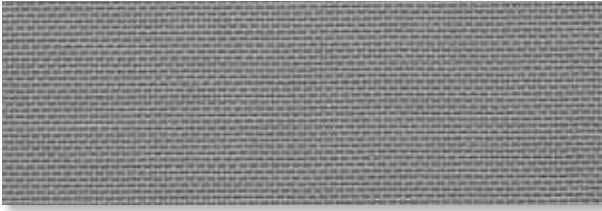
	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	15.1	51.2	33.7	11.2	9.5	1.7	1.9	9.7	Class 1

gtot

	A	B	C	D
	int.	int.	int.	int.
Values	0.43	0.44	0.4	0.26
Classes	1	1	1	2

**117117 pearl**

Width: 2500 mm



## Solar Heat &amp; Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	5.6	31.2	63.2	3.8	2.5	1.3	1.7	3.2	Class 2

g<sub>tot</sub>

	A	B	C	D
	int.	int.	int.	int.
Values	0.54	0.54	0.47	0.28
Classes	0	0	1	2

**118108 black-grey**

Width: 2500 mm



## Solar Heat &amp; Light Control Properties

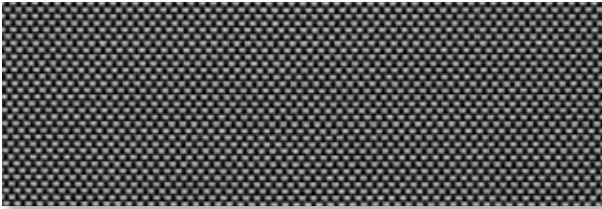
	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	1.8	8.1	90.1	1.7	0.2	1.5	1.6	1.3	Class 3

g<sub>tot</sub>

	A	B	C	D
	int.	int.	int.	int.
Values	0.67	0.65	0.54	0.3
Classes	0	0	0	2

**118117 black-pearl**

Width: 2500 mm



## Solar Heat &amp; Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	1	12.4	86.6	0.8	0.2	0.6	0.6	0.6	Class 3

g<sub>tot</sub>

	A	B	C	D
	int.	int.	int.	int.
Values	0.64	0.63	0.53	0.3
Classes	0	0	0	2

**118118 black**

Width: 2500 mm



## Solar Heat &amp; Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	1.2	4.6	94.2	1.2	0.2	1	1.2	0.9	Class 3

g<sub>tot</sub>

	A	B	C	D
	int.	int.	int.	int.
Values	0.69	0.67	0.55	0.3
Classes	0	0	0	2

**118633 black-cocoa**

Width: 2500 mm



## Solar Heat &amp; Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	1.3	5.5	93.2	1.2	0.2	1	1.1	0.9	Class 3

g<sub>tot</sub>

	A	B	C	D
	int.	int.	int.	int.
Values	0.68	0.67	0.55	0.3
Classes	0	0	0	2

# Panama Pro 3%

## 101101 white

Width: 2500 mm



Solar Heat & Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	16.5	71.7	11.8	15.7	12.2	3.5	3.9	13.4	Class 1

gtot

	A	B	C	D
	int.	int.	int.	int.
Values	0.32	0.34	0.34	0.25
Classes	2	2	2	2

## 101116 white-linen

Width: 2500 mm



Solar Heat & Light Control Properties

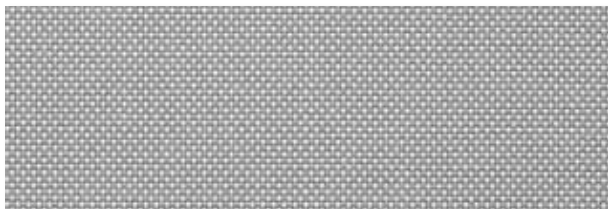
	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	15.8	64.6	19.6	13.6	10.4	3.2	3.6	11.6	Class 1

gtot

	A	B	C	D
	int.	int.	int.	int.
Values	0.36	0.37	0.36	0.25
Classes	1	1	1	2

## 101117 white-pearl

Width: 2500 mm



Solar Heat & Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	12.1	57.2	30.7	10.6	7.3	3.3	3.7	8.9	Class 1

gtot

	A	B	C	D
	int.	int.	int.	int.
Values	0.39	0.41	0.38	0.26
Classes	1	1	1	2

## 116116 linen

Width: 2500 mm



Solar Heat & Light Control Properties

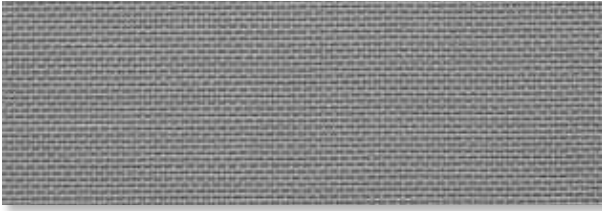
	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	17.7	49.5	32.8	14	10.6	3.4	4	11.9	Class 1

gtot

	A	B	C	D
	int.	int.	int.	int.
Values	0.45	0.45	0.41	0.27
Classes	1	1	1	2

**117117 pearl**

Widths: 2500 mm



## Solar Heat &amp; Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	8.4	31	60.6	6.6	3.3	3.3	3.8	5.4	Class 2

## gtot

	A	B	C	D
	int.	int.	int.	int.
Values	0.54	0.54	0.47	0.28
Classes	0	0	1	2

**118108 black-grey**

Widths: 2500 mm



## Solar Heat &amp; Light Control Properties

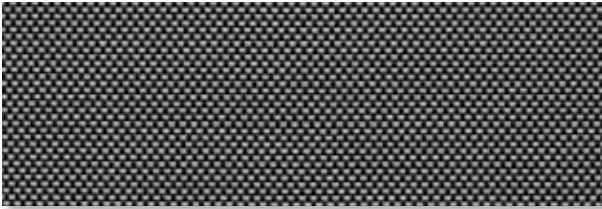
	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	4.1	7.2	88.7	4	0.5	3.5	4	3	Class 3

## gtot

	A	B	C	D
	int.	int.	int.	int.
Values	0.68	0.66	0.54	0.3
Classes	0	0	0	2

**118117 black-pearl**

Width: 2500 mm



## Solar Heat &amp; Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	3.4	11	85.6	3.1	0.6	2.5	2.9	2.4	Class 3

## gtot

	A	B	C	D
	int.	int.	int.	int.
Values	0.65	0.64	0.53	0.3
Classes	0	0	0	2

**118118 black**

Width: 2500 mm



## Solar Heat &amp; Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	4.5	4.3	91.2	4.4	0.5	3.9	4.4	3.3	Class 3

## gtot

	A	B	C	D
	int.	int.	int.	int.
Values	0.69	0.67	0.55	0.31
Classes	0	0	0	2

**118633 black-cocoa**

Width: 2500 mm



## Solar Heat &amp; Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	2	5.3	92.7	1.9	0.3	1.6	1.8	1.4	Class 3

## gtot

	A	B	C	D
	int.	int.	int.	int.
Values	0.68	0.67	0.55	0.3
Classes	0	0	0	2

# Panama Pro 5%

## 101101 white

Widths: 2500, 3100 mm



Solar Heat & Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	18.7	70.1	11.2	17.9	11.3	6.6	7.1	14.9	Class 0

gtot

	A	B	C	D
	int.	int.	int.	int.
Values	0.33	0.35	0.34	0.25
Classes	2	2	2	2

## 101116 white-linen

Widths: 2500, 3100 mm



Solar Heat & Light Control Properties

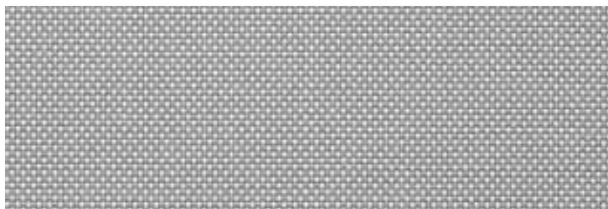
	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	16.5	61.7	21.8	13.9	9.2	4.7	5.2	11.7	Class 1

gtot

	A	B	C	D
	int.	int.	int.	int.
Values	0.37	0.39	0.37	0.25
Classes	1	1	1	2

## 101117 white-pearl

Widths: 2500, 3100 mm



Solar Heat & Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	12.1	51.6	36.3	10.3	5	5.3	5.8	8.4	Class 0

gtot

	A	B	C	D
	int.	int.	int.	int.
Values	0.43	0.44	0.4	0.26
Classes	1	1	1	2

## 116116 linen

Widths: 2500, 3100 mm



Solar Heat & Light Control Properties

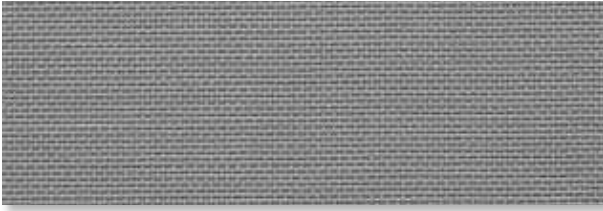
	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	18.3	49.8	31.9	14.5	8.8	5.7	6.2	12	Class 0

gtot

	A	B	C	D
	int.	int.	int.	int.
Values	0.45	0.45	0.41	0.27
Classes	1	1	1	2

**117117 pearl**

Widths: 2500, 3100 mm



## Solar Heat &amp; Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	10.3	32.6	57.1	8.5	2.8	5.7	6.1	6.7	Class 1

## gtot

	A	B	C	D
	int.	int.	int.	int.
Values	0.54	0.53	0.46	0.28
Classes	0	0	1	2

**118108 black-grey**

Widths: 2500, 3100 mm



## Solar Heat &amp; Light Control Properties

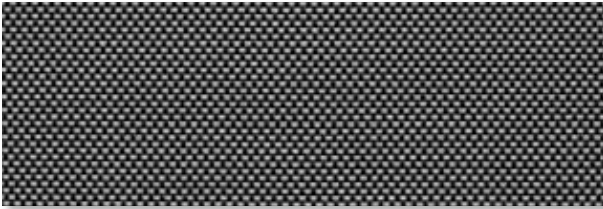
	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	6.1	10.1	83.8	5.6	0.7	4.9	5.3	4.2	Class 3

## gtot

	A	B	C	D
	int.	int.	int.	int.
Values	0.66	0.65	0.54	0.3
Classes	0	0	0	2

**118117 black-pearl**

Widths: 2500, 3100 mm



## Solar Heat &amp; Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	6.4	15.1	78.5	6.1	0.8	5.3	5.7	4.6	Class 1

## gtot

	A	B	C	D
	int.	int.	int.	int.
Values	0.63	0.62	0.52	0.3
Classes	0	0	0	2

**118118 black**

Widths: 2500, 3100 mm



## Solar Heat &amp; Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	7.4	3.7	88.9	7.3	0.5	6.8	7.3	5.5	Class 1

## gtot

	A	B	C	D
	int.	int.	int.	int.
Values	0.7	0.68	0.56	0.31
Classes	0	0	0	2

**118633 black-cocoa**

Widths: 2500, 3100 mm



## Solar Heat &amp; Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	6.3	5.5	88.2	6.1	0.4	5.7	6.1	4.6	Class 1

## gtot

	A	B	C	D
	int.	int.	int.	int.
Values	0.69	0.67	0.55	0.3
Classes	0	0	0	2



# Panama Pro 10%

## 101101 white

Width: 2500 mm



Solar Heat & Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	21.6	67.2	11.2	20.7	12.1	8.6	9.1	17.1	Class 0

gtot

	A	B	C	D
	int.	int.	int.	int.
Values	0.35	0.36	0.35	0.25
Classes	2	1	1	2

## 101116 white-linen

Width: 2500 mm



Solar Heat & Light Control Properties

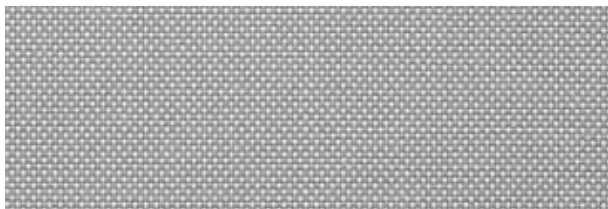
	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	12.9	58.7	28.4	19.6	10.7	8.9	9.5	16.1	Class 0

gtot

	A	B	C	D
	int.	int.	int.	int.
Values	0.39	0.4	0.38	0.26
Classes	1	1	1	2

## 101117 white-pearl

Width: 2500 mm



Solar Heat & Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	18.2	51.1	30.7	16.6	7.1	9.5	10.1	13.3	Class 0

gtot

	A	B	C	D
	int.	int.	int.	int.
Values	0.44	0.44	0.41	0.26
Classes	1	1	1	2

## 116116 linen

Width: 2500 mm



Solar Heat & Light Control Properties

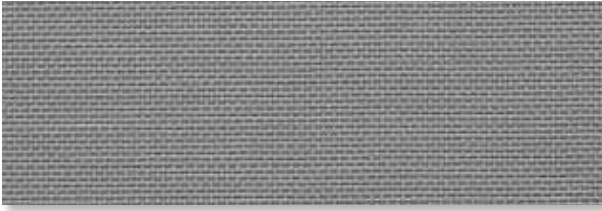
	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	24.1	46.2	29.7	20.3	10.7	9.6	10.3	16.6	Class 0

gtot

	A	B	C	D
	int.	int.	int.	int.
Values	0.48	0.47	0.42	0.27
Classes	1	1	1	2

**117117 pearl**

Width: 2500 mm



## Solar Heat &amp; Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	14	31.3	54.7	12	3.6	8.4	9	9.4	Class 1

g<sub>tot</sub>

	A	B	C	D
	int.	int.	int.	int.
Values	0.55	0.54	0.47	0.28
Classes	0	0	1	2

**118108 black-grey**

Width: 2500 mm



## Solar Heat &amp; Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	10.8	9.4	79.8	10.3	0.9	9.4	9.9	7.7	Class 1

g<sub>tot</sub>

	A	B	C	D
	int.	int.	int.	int.
Values	0.67	0.65	0.54	0.3
Classes	0	0	0	2

**118117 black-pearl**

Width: 2500 mm



## Solar Heat &amp; Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	10.6	13.1	76.3	10.3	1	9.3	9.8	7.8	Class 1

g<sub>tot</sub>

	A	B	C	D
	int.	int.	int.	int.
Values	0.65	0.63	0.53	0.3
Classes	0	0	0	2

**118118 black**

Width: 2500 mm



## Solar Heat &amp; Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	9.3	4.2	86.5	9.2	0.5	8.7	9.1	6.9	Class 1

g<sub>tot</sub>

	A	B	C	D
	int.	int.	int.	int.
Values	0.7	0.68	0.56	0.31
Classes	0	0	0	2

**118633 black-cocoa**

Width: 2500 mm



## Solar Heat &amp; Light Control Properties

	Ts	Rs	As	Tv	TVdiff	TVdir	Tuv	TVdif-h	Glare Control
	10.8	4.9	84.3	10.6	0.6	10	10.6	7.9	Class 1

g<sub>tot</sub>

	A	B	C	D
	int.	int.	int.	int.
Values	0.7	0.68	0.55	0.31
Classes	0	0	0	2