



# Natté 300

OF = 10%



# Natté 380

OF = 5%

## Technical specifications

TECHNICAL SPECIFICATION		UNITY	STANDARD	RESULT
composition			Glassfibre 36% - PVC 64%	
openness factor		%	NBN EN 410	10%
weight		g/m <sup>2</sup>	NF EN 12127	345
thickness		mm	ISO 2286-3	0,45
density		yarn/cm	warp	18
			weft	18
colour fastness to artificial light			ISO 105 B02	>7
tear strength	original	daN	warp	4,7
			weft	4,9
elongation up to break	original	%	warp	2,7
			weft	2,7
breaking strength	original	daN/5 cm	warp	140
			weft	135
elongation up to break	after colour fastness to artificial light	%	warp	3,1
			weft	3,2
breaking strength	after colour fastness to artificial light	daN/5 cm	warp	140
			weft	140
tear strength	after climatic chamber -30°C	daN	warp	4,8
			weft	4,9
elongation up to break	after climatic chamber -30°C	%	warp	3,1
			weft	2,7
breaking strength	after climatic chamber -30°C	daN/5 cm	warp	135
			weft	130
tear strength	after climatic chamber +70°C	daN	warp	4,8
			weft	4,9
elongation up to break	after climatic chamber +70°C	%	warp	2,7
			weft	2,7
breaking strength	after climatic chamber +70°C	daN/5 cm	warp	100
			weft	120
fire classification	Europe		UNE-EN 13501-1:2007	C-s3,d0
	France		NF P92-503	M2
	Italy		UNI 9177	Class 1
	UK		BS 5867	C
	USA		NFPA 701	FR
	Spain		UNE EN 13773-2003	Clase 1
roll length	30 m			
cleaning	with soapy water			
confection	by heat, high frequency or ultrasonic welding			

These properties are given as indicative and don't have any contractual value



## Technical specifications

TECHNICAL SPECIFICATION		UNITY	STANDARD	RESULT
composition			Glassfibre 36% - PVC 64%	
openness factor		%	NBN EN 410	5%
weight		g/m <sup>2</sup>	NF EN 12127	380
thickness		mm	ISO 2286-3	0,45
density		yarn/cm	warp	20
			weft	20
colour fastness to artificial light			ISO 105 B02	>7
tear strength	original	daN	warp	4,9
			weft	4,7
elongation up to break	original	%	warp	3,7
			weft	3,2
breaking strength	original	daN/5 cm	warp	160
			weft	160
elongation up to break	after colour fastness to artificial light	%	warp	3,7
			weft	3
breaking strength	after colour fastness to artificial light	daN/5 cm	warp	150
			weft	160
tear strength	after climatic chamber -30°C	daN	warp	5,1
			weft	5,15
elongation up to break	after climatic chamber -30°C	%	warp	4
			weft	3
breaking strength	after climatic chamber -30°C	daN/5 cm	warp	150
			weft	140
tear strength	after climatic chamber +70°C	daN	warp	5,3
			weft	4,8
elongation up to break	after climatic chamber +70°C	%	warp	3,6
			weft	2,9
breaking strength	after climatic chamber +70°C	daN/5 cm	warp	120
			weft	120
fire classification	Europe		UNE-EN 13501-1:2007	C-s3,d0
	France		NF P92-503	M2
	Italy		UNI 9177	Class 1
	UK		BS 5867	C
	USA		NFPA 701	FR
	Spain		UNE EN 13773-2003	Clase 1
roll length	30 m			
cleaning	with soapy water			
confection	by heat, high frequency or ultrasonic welding			

These properties are given as indicative and don't have any contractual value





# Natté 390

OF = 3%



# Natté 420

OF = 1%

## Technical specifications

TECHNICAL SPECIFICATION		UNITY	STANDARD	RESULT
composition			Glassfibre 36% - PVC 64%	
openness factor		%	NBN EN 410	3%
weight		g/m <sup>2</sup>	NF EN 12127	390
thickness		mm	ISO 2286-3	0,50
density		yarn/cm	warp	25
			weft	15
colour fastness to artificial light			ISO 105 B02	>7
tear strength	original	daN	warp	8,22
			weft	4,83
elongation up to break	original	%	warp	7,05
			weft	4,45
breaking strength	original	daN/5 cm	warp	259,2
			weft	178,5
elongation up to break	after colour fastness to artificial light	%	warp	7,3
			weft	3,6
breaking strength	after colour fastness to artificial light	daN/5 cm	warp	229,6
			weft	121,3
tear strength	after climatic chamber -30°C	daN	warp	8,49
			weft	5,22
elongation up to break	after climatic chamber -30°C	%	warp	7,21
			weft	4,33
breaking strength	after climatic chamber -30°C	daN/5 cm	warp	252,7
			weft	174,7
tear strength	after climatic chamber +70°C	daN	warp	8,09
			weft	4,9
elongation up to break	after climatic chamber +70°C	%	warp	7,15
			weft	3,85
breaking strength	after climatic chamber +70°C	daN/5 cm	warp	259,4
			weft	156,3
fire classification	Europe		UNE-EN 13501-1:2007	C-s3,d0
	France		NF P92-503	M2
	Italy		UNI 9177	Class 1
	UK		BS 5867	C
	USA		NFPA 701	FR
	Spain		UNE EN 13773-2003	Clase 1
roll length	30 m			
cleaning	with soapy water			
confection	by heat, high frequency or ultrasonic welding			

These properties are given as indicative and don't have any contractual value



## Technical specifications

TECHNICAL SPECIFICATION		UNITY	STANDARD	RESULT
composition			Glassfibre 36% - PVC 64%	
openness factor		%	NBN EN 410	1%
weight		g/m <sup>2</sup>	NF EN 12127	420
thickness		mm	ISO 2286-3	0,50
density		yarn/cm	warp	25
			weft	18
colour fastness to artificial light			ISO 105 B02	>7
tear strength	original	daN	warp	5,13
			weft	3,3
elongation up to break	original	%	warp	6,71
			weft	4,46
breaking strength	original	daN/5 cm	warp	244,1
			weft	190,9
elongation up to break	after colour fastness to artificial light	%	warp	6,65
			weft	4,35
breaking strength	after colour fastness to artificial light	daN/5 cm	warp	243,8
			weft	180
tear strength	after climatic chamber -30°C	daN	warp	5,19
			weft	3,44
elongation up to break	after climatic chamber -30°C	%	warp	6,93
			weft	4,02
breaking strength	after climatic chamber -30°C	daN/5 cm	warp	266,8
			weft	175,8
tear strength	after climatic chamber +70°C	daN	warp	5,47
			weft	3,59
elongation up to break	after climatic chamber +70°C	%	warp	6,66
			weft	3,75
breaking strength	after climatic chamber +70°C	daN/5 cm	warp	244,5
			weft	162,6
fire classification	Europe		UNE-EN 13501-1:2007	C-s3,d0
	France		NF P92-503	M2
	Italy		UNI 9177	Class 1
	UK		BS 5867	C
	USA		NFPA 701	FR
	Spain		UNE EN 13773-2003	Clase 1
roll length	30 m			
cleaning	with soapy water			
confection	by heat, high frequency or ultrasonic welding			

These properties are given as indicative and don't have any contractual value





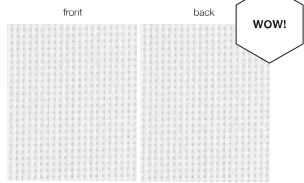
# Natté 300



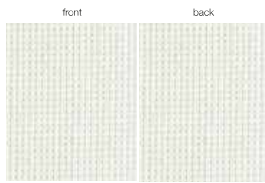
GLASSFIBRE

OF = 10%

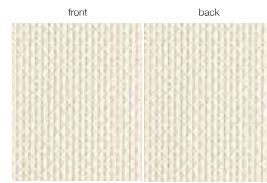
## Colours & references



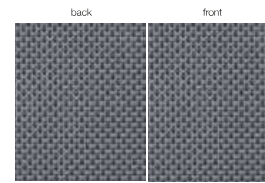
Natté 300 092092 WOW white



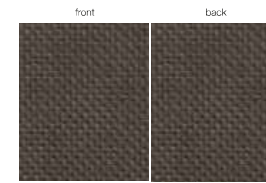
Natté 300 002002 white | white



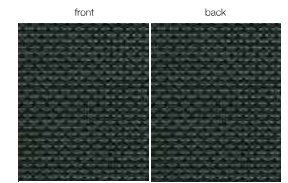
Natté 300 002008 white | linen



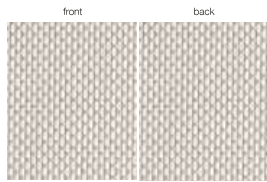
Natté 300 010001 charcoal | grey



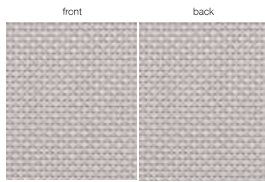
Natté 300 010011 charcoal | bronze



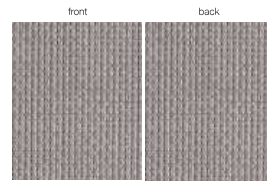
Natté 300 010010 charcoal | charcoal



Natté 300 002007 white | pearl grey



Natté 300 007008 pearl grey | linen



Natté 300 007007 pearl grey | pearl grey

Natté 300	200 cm	250 cm	320 cm
092092 WOW white		•	
002002 white   white	•	•	•
002008 white   linen	•	•	•
002007 white   pearl grey	•	•	•
007008 pearl grey   linen	•	•	•
007007 pearl grey   pearl grey	•	•	•
010001 charcoal   grey	•	•	•
010011 charcoal   bronze	•	•	•
010010 charcoal   charcoal	•	•	•



# Natté 300



GLASSFIBRE

OF = 10%

## Solar energetic properties

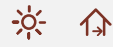
Natté 300 European Standard EN 14501 Calculation G-value according to EN15363-1 version 7.0			SOLAR ENERGETIC PROPERTIES								VISUAL PROPERTIES		
			FABRIC			FABRIC + GLAZING				VISUAL PROPERTIES			
						INTERIOR							
references	colours		As = Solar Absorbance %	Rs = Solar Reflectance %	Ts = Solar Transmittance %	G-factor = total solar energy transmittance				Tv = Visible Light Transmittance %	Tuv = UV Transmittance %		
						Glazing A - Gv = 0,85 - U = 5,8	Glazing B - Gv = 0,76 - U = 2,9	Glazing C - Gv = 0,59 - U = 1,2	Glazing D - Gv = 0,32 - U = 1,1				
092092	WOW white	front	10,1	65	24,9	0,37	0,38	0,36	0,25	23,6	10,7		
		back	10,1	65	24,9	0,37	0,38	0,36	0,25	23,6	10,7		
002002	white   white	front	11,6	64,0	24,4	0,37	0,38	0,36	0,25	23,6	10,7		
		back	11,6	64,0	24,4	0,37	0,38	0,36	0,25	23,6	10,7		
002008	white   linen	front	19,8	57,7	22,5	0,41	0,41	0,38	0,26	20,4	11,8		
		back	19,9	57,6	22,5	0,41	0,41	0,38	0,26	20,4	11,8		
002007	white   pearl grey	front	33,1	46,6	20,3	0,47	0,47	0,42	0,27	17,7	11,8		
		back	33,5	46,2	20,3	0,47	0,47	0,42	0,27	17,7	11,8		
007008	pearl grey   linen	front	41,2	38,7	20,1	0,49	0,49	0,44	0,27	17,3	13,8		
		back	41,2	38,7	20,1	0,49	0,49	0,44	0,27	17,3	13,8		

Natté 300 European Standard EN 14501 Calculation G-value according to EN15363-1 version 7.0			SOLAR ENERGETIC PROPERTIES								VISUAL PROPERTIES		
			FABRIC			FABRIC + GLAZING				VISUAL PROPERTIES			
						INTERIOR							
references	colours		As = Solar Absorbance %	Rs = Solar Reflectance %	Ts = Solar Transmittance %	G-factor = total solar energy transmittance				Tv = Visible Light Transmittance %	Tuv = UV Transmittance %		
						Glazing A - Gv = 0,85 - U = 5,8	Glazing B - Gv = 0,76 - U = 2,9	Glazing C - Gv = 0,59 - U = 1,2	Glazing D - Gv = 0,32 - U = 1,1				
007007	pearl grey   pearl grey	front	48,2	33,6	18,2	0,54	0,53	0,46	0,28	15,4	13,0		
		back	48,4	33,4	18,2	0,54	0,53	0,46	0,28	15,4	13,0		
010001	charcoal   grey	front	77,0	10,0	13,0	0,62	0,62	0,53	0,30	12,7	12,7		
		back	77,0	10,0	13,0	0,62	0,62	0,53	0,30	12,7	12,7		
010011	charcoal   bronze	front	79,5	6,7	13,8	0,64	0,64	0,54	0,30	13,6	13,6		
		back	79,5	6,7	13,8	0,64	0,64	0,54	0,30	13,6	13,6		
010010	charcoal   charcoal	front	81,5	5,7	12,8	0,70	0,67	0,55	0,30	12,7	12,7		
		back	81,5	5,7	12,8	0,70	0,67	0,55	0,30	12,7	12,7		

GLAZING A = clear single glazing 4 mm	Gv = 0,85
GLAZING B = clear double glazing (4/12/4), space filled with air	Gv = 0,76
GLAZING C = double glazing (4/16/4), with a low emissivity coating in position 3, space filled with argon	Gv = 0,59
GLAZING D = reflective double glazing (4/16/4), with a low emissivity coating in position 2, space filled with argon	Gv = 0,32



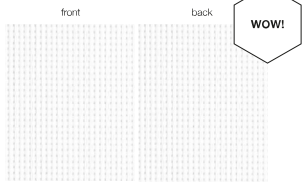
# Natté 380



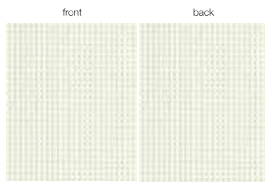
GLASSFIBRE

OF = 5%

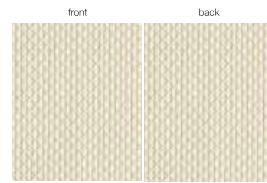
## Colours & references



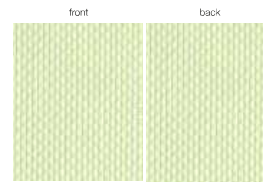
Natté 380 092092 WOW white



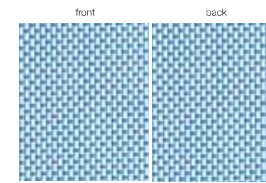
Natté 380 002002 white | white



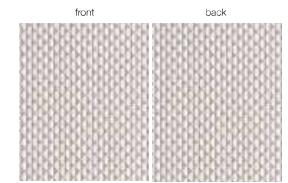
Natté 380 002008 white | linen



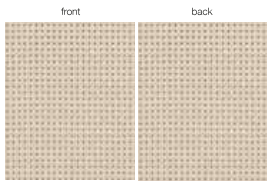
Natté 380 002017 white | pistache



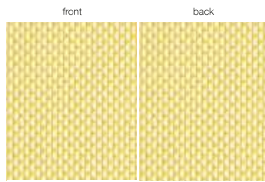
Natté 380 002014 white | turquoise



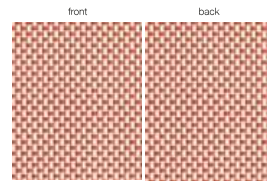
Natté 380 002007 white | pearl grey



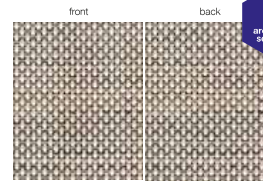
Natté 380 008008 linen | linen



Natté 380 002006 white | yellow



Natté 380 002005 white | mandarine



Natté 380 bicolor 002048 white | sand-bronze



Natté 380	200 cm	250 cm	320 cm
	092092 WOW white		•
002002 white   white	•	•	•
002008 white   linen	•	•	•
008008 linen   linen			•
002006 white   yellow			
002005 white   mandarine			•
002017 white   pistache			•
002014 white   turquoise			•
002007 white   pearl grey	•	•	•
002048 white   sand-bronze	•	•	•

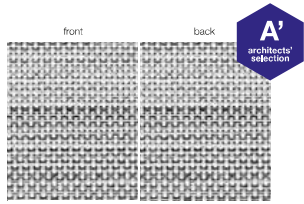


# Natté 380

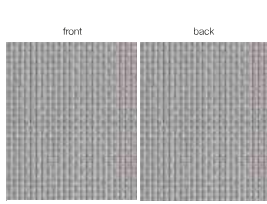


GLASSFIBRE

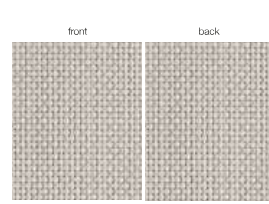
OF = 1-10%



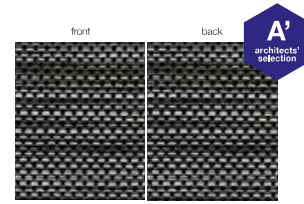
Natté 380 bicolor 002049 white | white-charcoal



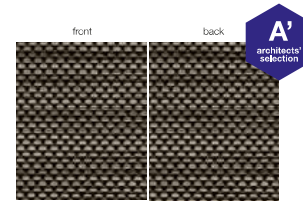
Natté 380 007007 pearl grey | pearl grey



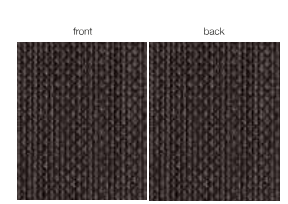
Natté 380 007008 pearl grey | linen



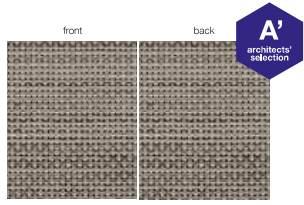
Natté 380 bicolor 010049 charcoal | white-charcoal



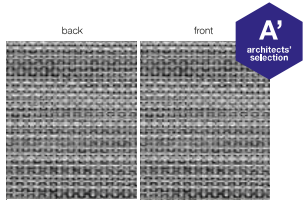
Natté 380 bicolor 010048 charcoal | sand-bronze



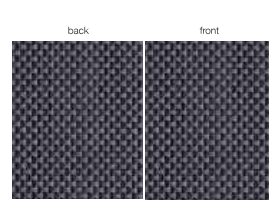
Natté 380 010011 charcoal | bronze



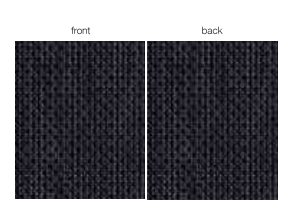
Natté 380 bicolor 007048 pearl grey | sand-bronze



Natté 380 bicolor 007049 pearl grey | white-charcoal



Natté 380 010001 charcoal | grey



Natté 380 010010 charcoal | charcoal

Natté 380	200 cm	250 cm	320 cm
	002049 white   white-charcoal	•	•
007007 pearl grey   pearl grey	•	•	•
007008 pearl grey   linen	•	•	•
007048 pearl grey   sand-bronze	•	•	•
007049 pearl grey   white-charcoal	•	•	•
010001 charcoal   grey	•	•	•
010049 charcoal   white-charcoal	•	•	•
010048 charcoal   sand-bronze	•	•	•
010011 charcoal   bronze	•	•	•
010010 charcoal   charcoal	•	•	•



# Natté 380



GLASSFIBRE

OF = 5%

## Solar energetic properties

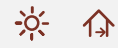
Natté 380 European Standard EN 14501 Calculation G-value according to EN 15363-1 version 7.0			SOLAR ENERGETIC PROPERTIES										VISUAL PROPERTIES			
			FABRIC			FABRIC + GLAZING				INTERIOR					Tv = Visible Light Transmittance %	Tuv = UV Transmittance %
						G-factor = total solar energy transmittance										
references	colours	front	back	As = Solar Absorbance %	Rs = Solar Reflectance %	Ts = Solar Transmittance %	Glazing A - Gv = 0,85 - U = 5,8	Glazing B - Gv = 0,76 - U = 2,9	Glazing C - Gv = 0,59 - U = 1,2	Glazing D - Gv = 0,32 - U = 1,1	Tv = Visible Light Transmittance %	Tuv = UV Transmittance %				
		092092	WOW white	front		7,9	63,6	28,5	0,37	0,38	0,37	0,25	26,3	17,5		
back				7,9	63,6	28,5	0,37	0,38	0,37	0,25	26,3	17,5				
002002	white   white	front		10,0	66,6	23,4	0,36	0,37	0,36	0,25	21,8	10,9				
		back		9,9	66,8	23,4	0,35	0,37	0,36	0,25	21,8	10,9				
002008	white   linen	front		21,3	59,8	18,9	0,39	0,40	0,38	0,26	16,9	7,9				
		back		21,5	59,7	18,9	0,39	0,40	0,38	0,26	16,9	7,9				
008008	linen   linen	front		41,2	41,1	17,7	0,50	0,50	0,44	0,27	15,2	10,2				
		back		41,2	41,1	17,7	0,50	0,50	0,44	0,27	15,2	10,2				
002006	white   yellow	front		35,6	45,5	18,9	0,47	0,47	0,42	0,27	17,9	11,0				
		back		35,6	45,5	18,9	0,47	0,47	0,42	0,27	17,9	11,0				
002005	white   mandarine	front		50,8	36,4	12,8	0,52	0,52	0,45	0,28	10,0	7,9				
		back		50,6	36,4	12,8	0,52	0,52	0,45	0,28	10,0	7,9				
002017	white   pistache	front		39,3	45,7	15,0	0,47	0,47	0,42	0,27	11,9	8,2				
		back		39,2	45,8	15,0	0,47	0,47	0,42	0,27	11,9	8,2				
002014	white   turquoise	front		58,0	29,3	12,7	0,56	0,55	0,47	0,28	10,7	9,5				
		back		58,0	29,3	12,7	0,56	0,55	0,47	0,28	10,7	9,5				
002007	white   pearl grey	front		35,2	48,8	16,1	0,45	0,45	0,41	0,27	13,6	8,5				
		back		35,4	48,5	16,1	0,45	0,46	0,41	0,27	13,6	8,5				
002048	white   sand-bronze	front		41,2	41,1	17,7	0,50	0,50	0,44	0,27	15,2	10,2				
		back		41,2	41,1	17,7	0,50	0,50	0,44	0,27	15,2	10,2				
002049	white   white-charcoal	front		35,6	45,5	18,9	0,47	0,47	0,42	0,27	17,9	11,0				
		back		35,6	45,5	18,9	0,47	0,47	0,42	0,27	17,9	11,0				

Natté 380 European Standard EN 14501 Calculation G-value according to EN 15363-1 version 7.0			SOLAR ENERGETIC PROPERTIES										VISUAL PROPERTIES			
			FABRIC			FABRIC + GLAZING				INTERIOR					Tv = Visible Light Transmittance %	Tuv = UV Transmittance %
						G-factor = total solar energy transmittance										
references	colours	front	back	As = Solar Absorbance %	Rs = Solar Reflectance %	Ts = Solar Transmittance %	Glazing A - Gv = 0,85 - U = 5,8	Glazing B - Gv = 0,76 - U = 2,9	Glazing C - Gv = 0,59 - U = 1,2	Glazing D - Gv = 0,32 - U = 1,1	Tv = Visible Light Transmittance %	Tuv = UV Transmittance %				
		007007	pearl grey   pearl grey	front		50,8	36,4	12,8	0,52	0,52	0,45	0,28	10,0	7,9		
back				50,6	36,7	12,8	0,52	0,51	0,45	0,28	10,0	7,9				
007008	pearl grey   linen	front		39,3	45,7	15,0	0,47	0,47	0,42	0,27	11,9	8,2				
		back		39,2	45,8	15,0	0,47	0,47	0,42	0,27	11,9	8,2				
007048	pearl grey   sand-bronze	front		58,0	29,3	12,7	0,56	0,55	0,47	0,28	10,7	9,5				
		back		58,0	29,3	12,7	0,56	0,55	0,47	0,28	10,7	9,5				
007049	pearl grey   white-charcoal	front		55,6	30,8	13,6	0,55	0,54	0,47	0,28	12,2	10,3				
		back		55,6	30,8	13,6	0,55	0,54	0,47	0,28	12,2	10,3				
010001	charcoal   grey	front		80,9	11,3	7,8	0,66	0,64	0,53	0,30	7,7	7,4				
		back		81,0	11,2	7,8	0,66	0,64	0,53	0,30	7,7	7,4				
010049	charcoal   white-charcoal	front		71,2	17,9	10,9	0,53	0,53	0,46	0,28	10,6	9,7				
		back		71,2	17,9	10,9	0,53	0,53	0,46	0,28	10,6	9,7				
010048	charcoal   sand-bronze	front		75,7	14,8	9,5	0,64	0,62	0,52	0,30	9,0	8,7				
		back		75,7	14,8	9,5	0,64	0,62	0,52	0,30	9,0	8,7				
010011	charcoal   bronze	front		84,8	7,3	7,9	0,68	0,66	0,55	0,30	7,6	7,5				
		back		84,8	7,3	7,9	0,68	0,66	0,55	0,30	7,6	7,5				
010010	charcoal   charcoal	front		88,0	5,7	6,3	0,69	0,67	0,55	0,30	6,3	6,3				
		back		88,0	5,7	6,3	0,69	0,67	0,55	0,30	6,3	6,3				

GLAZING A = clear single glazing 4 mm	Gv = 0,85
GLAZING B = clear double glazing (4/12/4), space filled with air	Gv = 0,76
GLAZING C = double glazing (4/16/4), with a low emissivity coating in position 3, space filled with argon	Gv = 0,59
GLAZING D = reflective double glazing (4/16/4), with a low emissivity coating in position 2, space filled with argon	Gv = 0,32



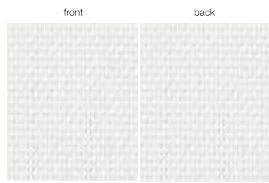
# Natté 390



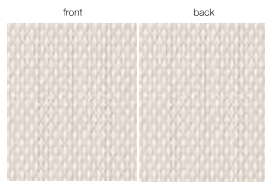
GLASSFIBRE

OF = 3%

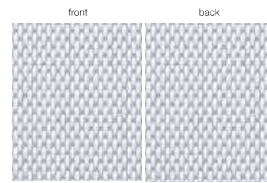
## Colours & references



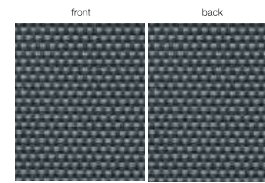
Natté 390 002002 white | white



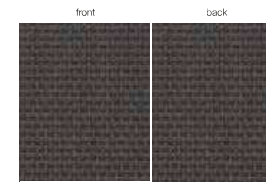
Natté 390 002008 white | linen



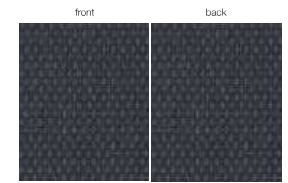
Natté 390 002007 white | pearl grey



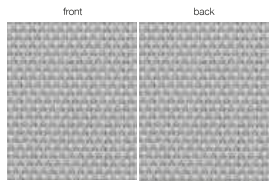
Natté 390 010001 charcoal | grey



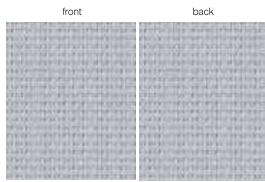
Natté 390 010011 charcoal | bronze



Natté 390 010010 charcoal | charcoal



Natté 390 007008 pearl grey | linen



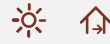
Natté 390 007007 pearl grey | pearl grey

Natté 390	200 cm	250 cm	320 cm
002002 white   white	•	•	•
002008 white   linen	•	•	•
002007 white   pearl grey	•	•	•
007008 pearl grey   linen	•	•	•
007007 pearl grey   pearl grey	•	•	•
010001 charcoal   grey	•	•	•
010011 charcoal   bronze	•	•	•
010010 charcoal   charcoal	•	•	•





# Natté 390



GLASSFIBRE

OF = 3%

## Solar energetic properties

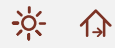
Natté 390 European Standard EN 14501 Calculation G-value according to EN 15393-1 version 7.0		SOLAR ENERGETIC PROPERTIES										VISUAL PROPERTIES	
		FABRIC			FABRIC + GLAZING				INTERIOR				
					G-factor = total solar energy transmittance								
references	colours	front	back	As = Solar Absorbance %	Rs = Solar Reflectance %	Ts = Solar Transmittance %	Glazing A - Gv = 0,85 - U = 5,8	Glazing B - Gv = 0,76 - U = 2,9	Glazing C - Gv = 0,59 - U = 1,2	Glazing D - Gv = 0,32 - U = 1,1	Tv = Visible Light Transmittance %	Tuv = UV Transmittance %	
		002002	white   white										
				back	12,5	61,4	26,1	0,38	0,39	0,37	0,25	25,2	8,3
002008	white   linen			front	20,4	55,8	23,8	0,40	0,42	0,39	0,26	21,6	9,4
				back	20,4	55,8	23,8	0,40	0,42	0,39	0,26	21,6	9,4
002007	white   pearl grey			front	32,2	51,4	16,4	0,41	0,43	0,40	0,26	14,3	5,5
				back	32,2	51,4	16,4	0,41	0,43	0,40	0,26	14,3	5,5
007008	pearl grey   linen			front	51,4	37,7	10,9	0,47	0,49	0,44	0,27	8,1	5,8
				back	51,4	37,7	10,9	0,47	0,49	0,44	0,27	8,1	5,8

Natté 390 European Standard EN 14501 Calculation G-value according to EN 15393-1 version 7.0		SOLAR ENERGETIC PROPERTIES										VISUAL PROPERTIES	
		FABRIC			FABRIC + GLAZING				INTERIOR				
					G-factor = total solar energy transmittance								
references	colours	front	back	As = Solar Absorbance %	Rs = Solar Reflectance %	Ts = Solar Transmittance %	Glazing A - Gv = 0,85 - U = 5,8	Glazing B - Gv = 0,76 - U = 2,9	Glazing C - Gv = 0,59 - U = 1,2	Glazing D - Gv = 0,32 - U = 1,1	Tv = Visible Light Transmittance %	Tuv = UV Transmittance %	
		007007	pearl grey   pearl grey										
				back	57,6	33,4	9,0	0,49	0,51	0,45	0,28	6,7	5,1
010001	charcoal   grey			front	83,2	8,5	8,3	0,62	0,62	0,53	0,30	8,2	8,3
				back	83,2	8,5	8,3	0,62	0,62	0,53	0,30	8,2	8,3
010011	charcoal   bronze			front	87,5	6,8	5,7	0,62	0,63	0,53	0,30	5,7	5,7
				back	87,5	6,8	5,7	0,62	0,63	0,53	0,30	5,7	5,7
010010	charcoal   charcoal			front	88,2	6,0	5,8	0,62	0,63	0,54	0,30	5,8	5,9
				back	88,2	6,0	5,8	0,62	0,63	0,54	0,30	5,8	5,9

GLAZING A = clear single glazing 4 mm	Gv = 0,85
GLAZING B = clear double glazing (4/12/4), space filled with air	Gv = 0,76
GLAZING C = double glazing (4/16/4), with a low emissivity coating in position 3, space filled with argon	Gv = 0,59
GLAZING D = reflective double glazing (4/16/4), with a low emissivity coating in position 2, space filled with argon	Gv = 0,32



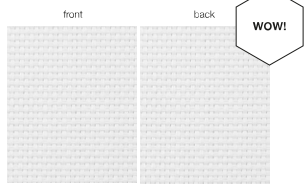
# Natté 420



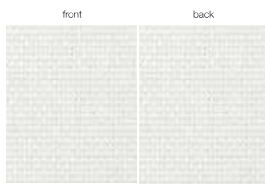
GLASSFIBRE

OF = 1%

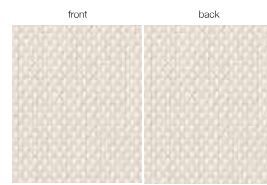
## Colours & references



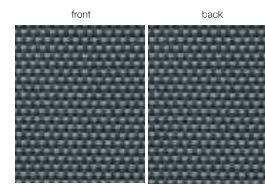
Natté 420 092092 WOW white



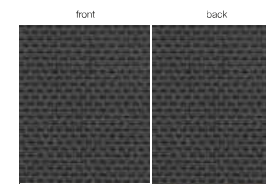
Natté 420 002002 white | white



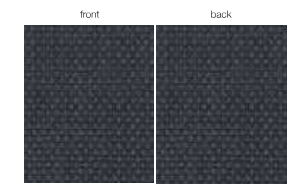
Natté 420 002008 white | linen



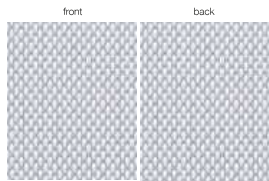
Natté 420 010001 charcoal | grey



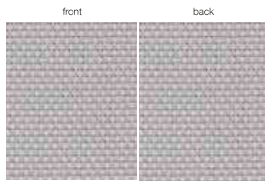
Natté 420 010011 charcoal | bronze



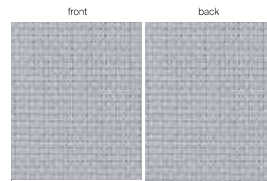
Natté 420 010010 charcoal | charcoal



Natté 420 002007 white | pearl grey



Natté 420 007008 pearl grey | linen



Natté 420 007007 pearl grey | pearl grey

Natté 420	200 cm	250 cm	320 cm
092092 WOW white		•	
002002 white   white	•	•	•
002008 white   linen	•	•	•
002007 white   pearl grey	•	•	•
007008 pearl grey   linen	•	•	•
007007 pearl grey   pearl grey	•	•	•
010001 charcoal   grey	•	•	•
010011 charcoal   bronze	•	•	•
010010 charcoal   charcoal	•	•	•



# Natté 420



GLASSFIBRE

OF = 1%

## Solar energetic properties

Natté 420 European Standard EN 14501 Calculation G-value according to EN 15393-1 version 7.0		SOLAR ENERGETIC PROPERTIES										VISUAL PROPERTIES	
		FABRIC			FABRIC + GLAZING				INTERIOR				
					G-factor = total solar energy transmittance								
references	colours	front	back	front	As = Solar Absorbance %	Rs = Solar Reflectance %	Ts = Solar Transmittance %	Glazing A - Gv = 0,85 - U = 5,8	Glazing B - Gv = 0,76 - U = 2,9	Glazing C - Gv = 0,59 - U = 1,2	Glazing D - Gv = 0,32 - U = 1,1	Tv = Visible Light Transmittance %	Tuv = UV Transmittance %
092092	WOW white	front		front	8,5	68,2	23,3	0,34	0,36	0,35	0,25	21,1	11,8
		back		back	8,5	68,2	23,3	0,34	0,36	0,35	0,25	21,1	11,8
002002	white   white	front		front	13,1	66,2	20,7	0,34	0,36	0,35	0,25	19,4	3,5
		back		back	13,1	66,2	20,7	0,34	0,36	0,35	0,25	19,4	3,5
002008	white   linen	front		front	23,0	59,1	17,9	0,38	0,39	0,38	0,26	15,0	4,2
		back		back	23,0	59,1	17,9	0,38	0,39	0,38	0,26	15,0	4,2
002007	white   pearl grey	front		front	36,4	48,9	14,7	0,42	0,44	0,41	0,26	12,2	5,1
		back		back	36,4	48,9	14,7	0,42	0,44	0,41	0,26	12,2	5,1
007008	pearl grey   linen	front		front	52,6	39,7	7,7	0,45	0,48	0,43	0,27	5,0	3,2
		back		back	52,6	39,7	7,7	0,45	0,48	0,43	0,27	5,0	3,2

Natté 420 European Standard EN 14501 Calculation G-value according to EN 15393-1 version 7.0		SOLAR ENERGETIC PROPERTIES										VISUAL PROPERTIES	
		FABRIC			FABRIC + GLAZING				INTERIOR				
					G-factor = total solar energy transmittance								
references	colours	front	back	front	As = Solar Absorbance %	Rs = Solar Reflectance %	Ts = Solar Transmittance %	Glazing A - Gv = 0,85 - U = 5,8	Glazing B - Gv = 0,76 - U = 2,9	Glazing C - Gv = 0,59 - U = 1,2	Glazing D - Gv = 0,32 - U = 1,1	Tv = Visible Light Transmittance %	Tuv = UV Transmittance %
007007	pearl grey   pearl grey	front		front	60,1	33,9	6,0	0,48	0,50	0,45	0,27	4,0	2,9
		back		back	60,1	33,9	6,0	0,48	0,50	0,45	0,27	4,0	2,9
010001	charcoal   grey	front		front	86,8	9,8	3,4	0,60	0,61	0,52	0,29	3,3	3,3
		back		back	86,8	9,8	3,4	0,60	0,61	0,52	0,29	3,3	3,3
010011	charcoal   bronze	front		front	89,6	7,1	3,3	0,61	0,62	0,53	0,30	3,2	3,3
		back		back	89,6	7,1	3,3	0,61	0,62	0,53	0,30	3,2	3,3
010010	charcoal   charcoal	front		front	90,6	6,2	3,2	0,62	0,63	0,54	0,30	3,2	3,2
		back		back	90,6	6,2	3,2	0,62	0,63	0,54	0,30	3,2	3,2

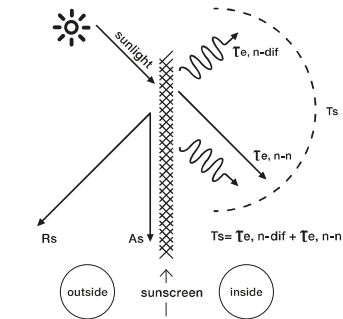
GLAZING A = clear single glazing 4 mm	Gv = 0,85
GLAZING B = clear double glazing (4/12/4), space filled with air	Gv = 0,76
GLAZING C = double glazing (4/16/4), with a low emissivity coating in position 3, space filled with argon	Gv = 0,59
GLAZING D = reflective double glazing (4/16/4), with a low emissivity coating in position 2, space filled with argon	Gv = 0,32

# Working of a sunscreen



## Sunscreen = protection against sunrays

Sunscreen means protection against the sunrays, so the function is the protection against light and heat, which is expressed in several properties.



<b>Rs</b>	Solar reflectance
<b>As</b>	Solar absorptance
<b>Ts</b>	Solar transmittance
<b>Te,n-dif</b>	Diffuse solar transmittance
<b>Te,n-n</b>	Normal solar transmittance

## Classes indicate effect of a sunscreen

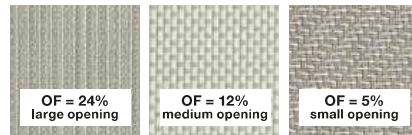
Based on certain properties, the screen can be split up in classes, from 0 to 4. Those classes are used, starting from the norm EN 14501, to indicate the effect of a certain sunscreen.

influence on thermal and visual comfort	
<b>Class 0</b>	very little effect
<b>Class 1</b>	little effect
<b>Class 2</b>	moderate effect
<b>Class 3</b>	good effect
<b>Class 4</b>	very good effect

## Visual properties

### Openness factor

The openness of a screen is indicated by the openness factor = **OF**. The openness coefficient is the relative area of the openings in the fabric seen under a given incidence. The openness factor is seen under a normal incidence.



The sunrays are subdivided in: **Visible light**, **UV-light** and **IR-light**.

**Visible light** (55% of the sun-energy) is that part for which our eyes are most sensitive. How larger the light intensity, how more detrimental for our eyes.

The factor Visible Light Transmittance = **Tv**, is the ratio of visible light that will be transmitted. How lower this factor can be kept, how better for the eyes.

**UV-light** (3% of the sun-energy) is the part of radiation which is detrimental for our health. This factor is indicated by the UV Transmittance = **Tuv**. This is the quantity UV-light transmitted by the sunscreen.

**IR-light** is invisible. This is however 42% of the sun-energy. These rays care for the reheating of solid substances and gases.

### Influence of colours

The choice of the colour has direct influence on the criteria which justify the use of sunscreen protection:

- Protection against visible light, expressed by the factor **Tv**.
- Protection against sun-energy, expressed by the **G** value.
- Protection against secondary heat, expressed by the factor **Qi**.
- Protection against UV-light, expressed by the factor **Tuv**.

## Visual properties: classes

### Glare control

The capacity of the solar protection device to control the luminance level of openings and to reduce the luminance contrasts between different zones within the field.

Tv,n-n	Tv,n-dif			
	Tv,n-dif < 0,02	0,02 ≤ Tv,n-dif < 0,04	0,04 ≤ Tv,n-dif < 0,08	Tv,n-dif ≥ 0,08
Tv,n-n > 0,10	0	0	0	0
0,05 < Tv,n-n ≤ 0,10	1	1	0	0
Tv,n-n ≤ 0,05	3	2	1	1
Tv,n-n = 0,00	4	3	2	2

### Privacy at night

Night privacy is the capacity of an internal or external blind or a shutter in the fully extended position or fully extended and closed position to protect persons, at night in normal light conditions from external view. External views means the ability of an external observer located 5m from the fully extended and closed product, to distinguish a person or object standing 1m behind the protection device in the room.

Tv,n-n	Tv,n-dif		
	0 < Tv,n-dif ≤ 0,04	0,04 < Tv,n-dif ≤ 0,15	Tv,n-dif > 0,15
Tv,n-n > 0,10	0	0	0
0,05 < Tv,n-n ≤ 0,10	1	1	1
Tv,n-n ≤ 0,05	2	2	2
Tv,n-n = 0,00	4	3	2

### Visual contact with the outside

Visual contact with the outside is the capacity of the solar protection device to allow an exterior view when it is fully extended. This function is affected by different light conditions during the day.

Tv,n-n	Tv,n-dif		
	0 < Tv,n-dif ≤ 0,04	0,04 < Tv,n-dif ≤ 0,15	Tv,n-dif > 0,15
Tv,n-n > 0,10	4	3	2
0,05 < Tv,n-n ≤ 0,10	3	2	1
Tv,n-n ≤ 0,05	2	1	0
Tv,n-n = 0,00	0	0	0

### Daylight utilisation

Daylight utilisation is characterised by:

- the capacity of the solar protection device to reduce the time period during the artificial light is required.
- the capacity of the solar protection device to optimise the daylight which is available.

CLASS	0	1	2	3	4
Tv,dif-h	Tv,dif-h < 0,02	0,02 ≤ Tv,dif-h < 0,10	0,10 ≤ Tv,dif-h < 0,25	0,25 ≤ Tv,dif-h < 0,40	Tv,dif-h ≥ 0,40