



VISUAL CONTACT OUTSIDE



CRADLE TO CRADLE CERTIFIED



FLAME RETARDANT



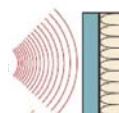
ULTRASONIC CUT NOT REQUIRED



100% RECYCLED PET



ECOLOGICAL FABRIC
REACH COMPLIANT



ACOUSTIC ABSORPTION



MANUFACTURED IN THE EU



INDOOR AIR QUALITY CERTIFIED



PRINTABLE HP LATEX INKS

The PET is used to produce bottles for water and drinks, packaging for detergents and pharmaceutical products, after its use, the PET containers are thrown away and become rubbish, clogging our cities.

We believe in a better approach to the environmental use. We commit to a healthier approach **using recycled and recyclable material** in the development of longer life cycle products.

Recycled polyester yarns are regular quality yarns with **characteristics equal to the ones** produced with virgin raw materials

EcoPlanet FR, combine a friendly environment fabric with the technical characteristics of fire retardant fabric.

EcoPlanet FR is a plain, semi translucent fabric, ideal to match every decoration style.



TECHNICAL PROPERTIES

Fabric Characteristic	Standard	
Composition	-	100% Recycled PET
Weight (g/ m ²)	EN 12127	176 ± 5%
Thickness (mm)	EN ISO 5084	0.33 ± 5%
Fire Reaction	DIN 4102 NF P 92 503 NFPA 701	B1 M1 PASS
Light Fastness (Xenotest grade)	ISO 105 B02:2002	White 5/6 Ivory 6/7 Other Colours ≥ 7
Tearing resistance (daN)	EN ISO 13937-3:2001	Warp: 3,6 Weft: 5,5
Breaking resistance (daN)	EN ISO 13934-1:1999	Warp: 66 Weft: 130
Stretch (%)	EN ISO 13934-1:1999	Warp: 32% Weft: 37%
Openness Factor	ASHRAE Standard 74-1988	3%
Roll Size		Width 270 cm Length 37 m

SUN CONTROL PROPERTIES

	THERMAL FACTORS						OPTICAL FACTORS								
	Fabric		Fabric+Glazing												
	% T _s	% R _s	G _{TOT} internal Glazing C		G _{TOT} internal Glazing D		% T _v	% R _v	% t _{v,n-n}	% t _{v,n-diff}	% t _{UV}	Glare Control	Night Privacy	Visual Con-tact	Daylight Utilisa-tion
Colour			G _{TOT}	Class	G _{TOT}	Class						Class	Class	Class	Class
White	32	60	0.35	1	0.24	2	30	63	5	25	16	1	2	0	2
Ivory	28	53	0.37	1	0.25	2	24	54	5	19	7	0	1	1	2
Bronze	17	27	0.44	1	0.26	2	4	7	3	1	4	3	2	2	1
Pearl	9	19	0.46	1	0.27	2	7	18	4	3	5	2	2	2	1
Silver	6	6	0.49	1	0.28	2	5	6	4	1	5	3	2	2	0
Ebony	5	4	0.50	1	0.28	2	4	4	3	1	4	3	2	2	0

Data measured according to EN 410.

Calculations of g_{TOT} are according to EN 13363-1 and 10% of frame area.

Classification of thermal and visual characteristic according to EN 14501

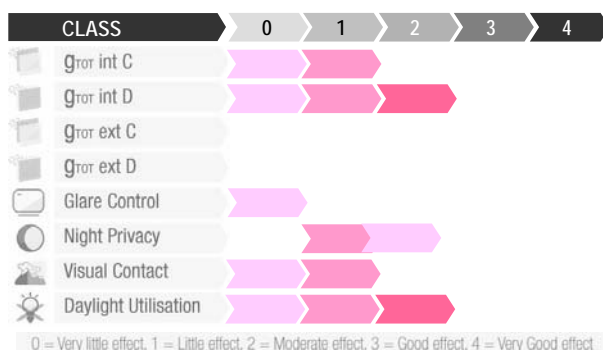
Data of g_{TOT} are given using standard Glazing C and D, though any other combination may be calculated under request

V.E.S.T. diagrams (Vertisol Efficiency Scale Table), based on standard EN 14501 have been developed by Vertisol as a useful tool in the selection of the right shading for each situation:

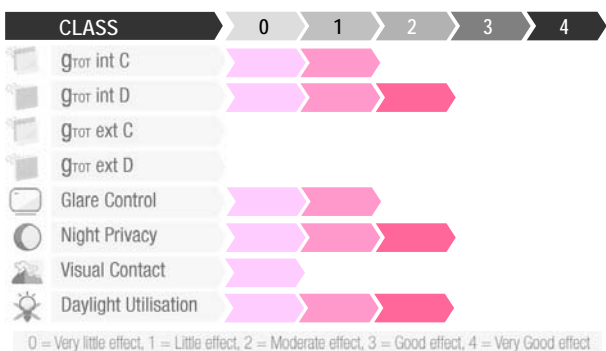
Pearl



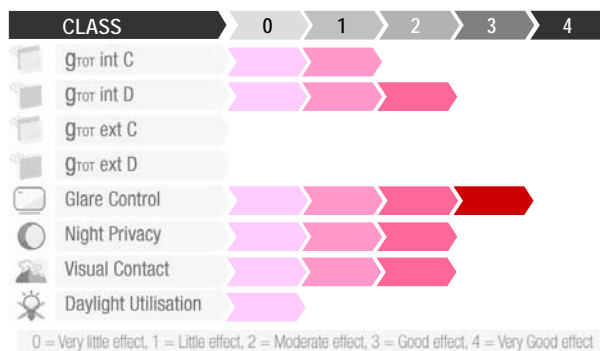
Ivory



White



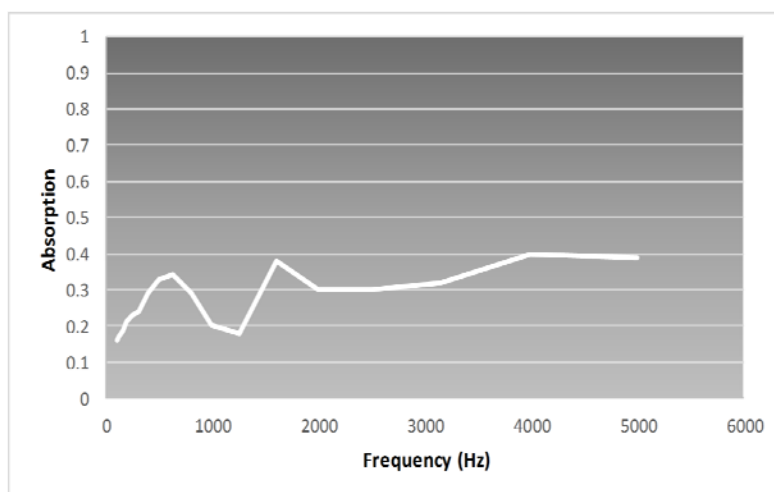
Ebony, Bronze









	Standard	
Acoustic Absorption	UNE EN ISO 10534:2 Measured with 150 mm air chamber	$\alpha_w = 0.30^*$ NRC = 0.28**

* Calculated according to EN ISO 11654

** Calculated according to ASTM C-423.



Thermal and visual properties	<ul style="list-style-type: none"> ⇒ Standard EN 14501 establishes a method to measure and classify thermal and visual comfort performance characteristics of blinds. ⇒ Ts: Percentage of solar radiation transmitted. Data measured according to EN 410. ⇒ Rs: Percentage of solar radiation reflected by the side of the fabric facing the sun, measured also under EN 410. ⇒ Tv. Percentage of the visible part of the solar radiation transmitted through the blind. ⇒ OF. Openness Factor: Relative area of pores in the fabric. ⇒ g_{TOT}: Total energy transmittance of the shading device combined with the glazing employed. Calculations were carried out according to En 13363-1, without any air gap between fabric and glazing. T.E.S.T. software (Thermal Energy Saving Tool) especially developed by Vertisol, in collaboration with the Engineering Department of University of Sevilla was employed for calculations of g_{TOT}. ⇒ Glazing Standard C: Double glazing low-e filled with argon 4-16-4. ⇒ Glazing Standard D: Reflective double low-e glazing filled with argon 4-12-4.
Environmental & health properties	<ul style="list-style-type: none"> ⇒ Free of formaldehyde and lead. ⇒ ECOPLANET FR is Oeko-tex standard 100 certified, which assures that no harmful substances are used during its production process. ⇒ Minimum content of plastic materials from separate collection on coated product weight: 70%
Manufacturing properties	<ul style="list-style-type: none"> ⇒ Ultrasonic cut not required ⇒ Roller blinds: Not weldable ⇒ Vertical blids: Use adhesive or sewing ⇒ Manufacturing direction:  
Maintenance	<ul style="list-style-type: none"> ⇒ Vacuum clean for regular maintenance. ⇒ Do not wash ⇒ Do not rub ⇒ Do not steam ⇒ Do not dry clean ⇒ Wipe gently with a wet sponge <div data-bbox="983 1124 1439 1240">     </div>

*All specifications are based on average values and may deviate. The values are given for guidance and are not contractual.
Subject to technical modifications*

PRODUCT SPECIFICATIONS: ROLLER BLIND

Element	Standard	Tolerance	Remark
Length	37 m	+/-10%	Minimum piece length= 10m (proportion of delivered rolls with the minimum piece length shall not exceed 10% of the order
Width	270 cm	+/-1cm	
Color	Approved Ver-tisol master sample	dE≤2	Measurement using the Data-Color colorimetric (CMC/D65)
Cuts/ roll	1 per roll	1 per roll	Minium length cut: 5 m
Defect definition	⇒ Defect: any avoidable irregularities that are visible from a distance of 1 m ⇒ Two defects separate less than one metre, will be considered one defect		
Number of defects/roll	-	Max.6	-
Defect marking	-	Silver label	At fabric edge
Bow-skew	-	Max. 2.0%	Based on the total width of the fabric
Cupping	-	Non-railroading direction: 5mm+0.5% of the roller blind width Railroading: 20mm+0.5%of the roller blind width *)	After 3 days rolled up
Complaints/ rejects	⇒ We only accept complaints with lot number ⇒ We can not accept rejections of defects after assembly or any processing of the delivered fabric		
Lots numbers in deliveries	⇒ There is not limit in the number of lots delivered in one delivery.		

PRODUCT SPECIFICATIONS: VERTICAL BLIND

Element	Standard	Tolerance	Remark
Length	100 m	Min: 50m Max: 150m	
Width	89mm-127mm	+/-1mm	
Color	Approved Vertisol master sample	dE≤2	Measurement using the Data-Color colorimetric (CMC/D65)
Cuts/ roll	1 every 40m	Max. 4	Minimum length partition: 15m
Defect definition	⇒ Defect: any avoidable irregularities that are visible from a distance of 1 m ⇒ Two defects separate less than one metre, will be considered one defect		
Number of defects/roll	-	Max.6	-
Defect marking	-	Silver label	At fabric edge
Bow-skew	-	≤1.5°	Based on the total width of the fabric
Cupping	-	2mm for 89mm 3 mm for 127mm	
Twisting	-	10°	
Complaints/ rejects	⇒ We only accept complaints with lot number ⇒ We can not accept rejections of defects after assembly or any processing of the delivered fabric		
Lots numbers in deliveries	⇒ There is not limit in the number of lots delivered in one delivery.		

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