

RecScreen®
5000P

10%



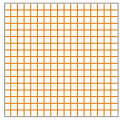
RECASENS
BCN 1886



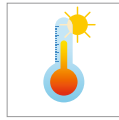
RecScreen®

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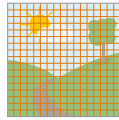
10%



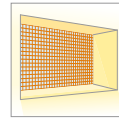
High opening



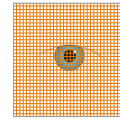
Thermal comfort



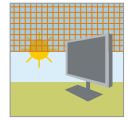
Visibility to the outside



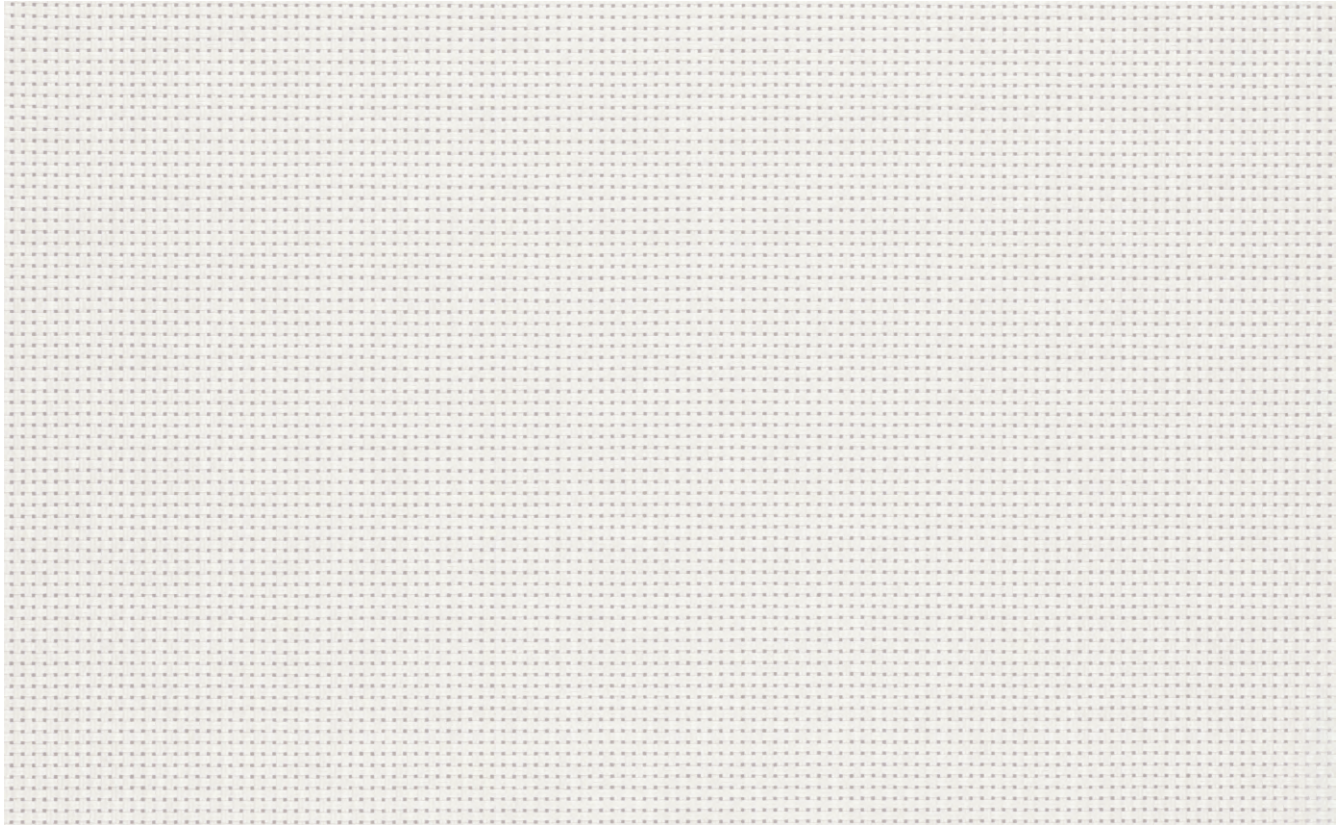
Natural light



Privacy



Glare control



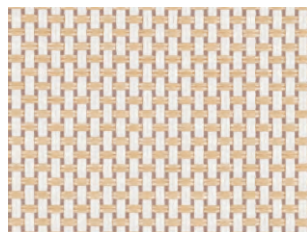
R-000

White-White



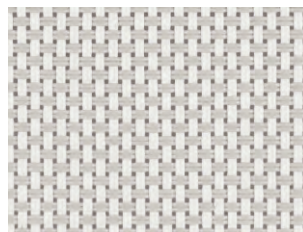
R-001

White-Linen



R-002

White-Sable



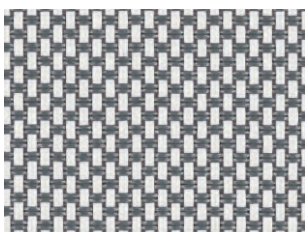
R-004

White-Pearl Gray



R-400

Pearl Gray-Pearl Gray



R-005

White-Dark Gray



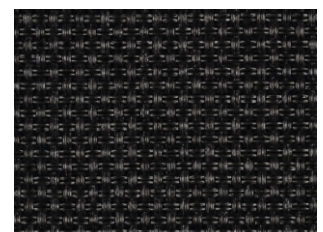
R-405

Pearl Gray-Dark Gray



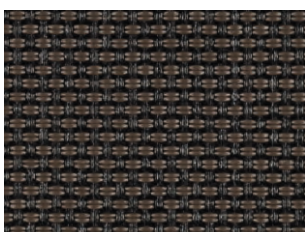
R-305

Black-Dark Gray



R-300

Black-Black



R-307

Black-Bronze

RECOMMENDED APPLICATIONS - RESIDENTIAL AND TERTIARY

INTERIOR DESIGN AND DECORATION			
INDOOR SOLAR PROTECTION		R	T
Roller blinds or curtains for windows		✓	✓
Roller blinds or curtains for enclosures		✓	✓
Roller blinds for roof windows		✓	✓
Vertical blinds		✓	✓
Japanese panels		✓	✓
Folding awnings		✓	✓
Shade sails		✓	✓
Tensioned textiles under skylights		✓	✓
INDOOR TEXTILE ARCHITECTURE		R	T
Access to premises (1)		✓	✓
Wall coverings		✓	✓
Ceiling coverings		✓	✓
Ceilings with skylights		✓	✓
Separators and screens		✓	✓
Wrappings for isolated elements		✓	✓
Decorative accessories		✓	✓

FACADES AND ENCLOSURES			
OUTDOOR BLINDS		R	T
Roller blinds for windows or facade awnings		✓	✓
Roller blinds for glazed enclosures		✓	✓
Roller blinds for roof windows		✓	✓
Roller blinds for skylights		✓	✓
AWNINGS		R	T
Folding awnings		✓	✓
Drop-arm awnings		✓	✓
Classic awnings		✓	✓
Roller drop awnings (2)		✓	✓
Vertical or downward awnings		✓	✓
COVERINGS AND ENCLOSURES		R	T
Walls with fabric enclosures		✓	✓
Pergolas with folding awning		✓	✓
FACADES		R	T
Balcony coverings and technical elements		✓	✓

OUTDOORS AND TEXTILE ARCHITECTURE			
OUTDOOR SOLAR PROTECTION		R	T
Privacy screens and windbreaks		✓	✓

- (1) Up to 12m in line and 9m drop with Llaza ironworks.
 (2) For awnings up to, approximately, 4/5m in line x 3/2.75m extension.



RecScreen®
5000P



THERMAL FACTORS

RECScreen 500P 10% openness factor		THERMAL FACTORS											UV
		FABRIC			FABRIC + GLAZING IN PARALLEL POSITION								TUV (τ_{uv})
					Type C Glazing		Type D Glazing		Type C Glazing		Type D Glazing		
REF.	COLOUR	TS ($\tau_{e,B}$)	RS ($\rho_{e,B}$)	AS ($\alpha_{e,B}$)	$g_{tot\ int}$	THERMAL COMFORT CLASS	$g_{tot\ int}$	THERMAL COMFORT CLASS	$g_{tot\ ext}$	THERMAL COMFORT CLASS	$g_{tot\ ext}$	THERMAL COMFORT CLASS	
R-000	White-White	24,4	64,0	11,6	0,36	1	0,25	2	0,17	2	0,11	3	11,2
R-001	White-Linen	22,6	55,6	21,8	0,39	1	0,26	2	0,17	2	0,11	3	9,9
R-002	White-Sable	21,4	46,8	31,8	0,42	1	0,27	2	0,17	2	0,12	3	11,4
R-004	White-Pearl Gray	19,5	48,8	31,7	0,41	1	0,27	2	0,16	2	0,11	3	12,0
R-005	White-Dark Gray	12,6	33,0	54,4	0,46	1	0,28	2	0,13	3	0,10	4	9,4
R-300	Black-Black	10,5	3,3	86,2	0,56	0	0,31	2	0,15	3	0,11	3	10,2
R-305	Black-Dark Gray	10,7	7,1	82,2	0,55	0	0,30	2	0,15	3	0,11	3	10,1
R-307	Black-Bronze	10,2	6,2	83,6	0,55	0	0,30	2	0,14	3	0,11	3	10,1
R-400	Pearl Gray-Pearl Gray	15,4	35,5	49,1	0,45	1	0,28	2	0,15	3	0,11	3	8,9
R-405	Pearl Gray-Dark Gray	11,6	21,3	67,1	0,50	0	0,29	2	0,14	3	0,10	3	9,4

The g_{tot} values are provided for standard glazing types C and D. Please contact us to request the g_{tot} study relating to any other kind of standard glazing or specific glazing for the project.

THERMAL FACTORS

FABRIC

TS ($\tau_{e,B}$): Solar transmittance factor of the fabric in %

RS ($\rho_{e,B}$): Solar reflection factor of the fabric in %

AS ($\alpha_{e,B}$): Solar absorption factor of the fabric in %

FABRIC + GLAZING

$g_{tot\ int}$: Total solar energy transmittance factor.
Glass + fabric in parallel position / Fabric on the inside.

$g_{tot\ ext}$: Total solar energy transmittance factor.
Glass + fabric in parallel position / Fabric on the outside.

TYPES OF GLAZING

Type C Glazing: $g = 0.59$ Total solar energy transmittance factor
 $U = 1.20\ W/(m^2.K)$ Thermal transmittance coefficient
Double glazing (4mm float + 16mm chamber + 4mm float), with low emission coating in position 3 (outer surface of the indoor glass), chamber filled with argon.

Type D Glazing: $g = 0.32$ Total solar energy transmittance factor
 $U = 1.10\ W/(m^2.K)$ Thermal transmittance coefficient
Double glazing (4mm float + 16mm chamber + 4mm float), with low emission coating in position 2 (inner surface of the outdoor glass), chamber filled with argon.

$$100\% \text{ SOLAR RADIATION} = RS + AS + TS$$

RS SOLAR REFLECTION

Solar energy reflected by the material towards the outside

TS SOLAR TRANSMISSION

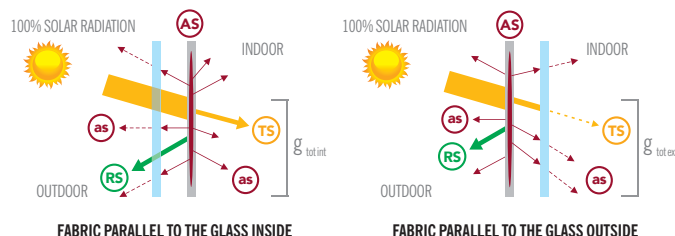
Solar energy that goes through the material.

AS SOLAR ABSORPTION

Solar energy absorbed by the material.

as

solar radiation absorption in the form of heat outside and inside.



ULTRAVIOLET FACTORS

TUV (τ_{uv}): Total ultraviolet spectrum transmission factor in %

BIM RECASENS & LLAZA

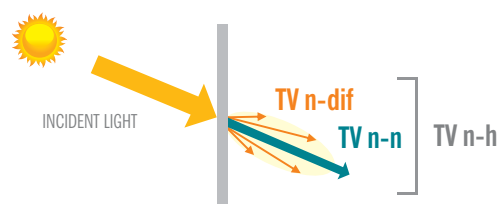
In order to facilitate the work of all those involved in the project, as well as to provide the possibility of performing an energy calculation for our products and adapting it to the specific project data, RECASENS & LLAZA subscribe to the BIM methodology, making their entire range of fabrics converted into BIM aims available to users. The BIM aims of RECASENS & LLAZA are available in Revit® and Archicad® formats, in Spanish and English. At www.bimobject.com/es you will be able to do the following after registering:

- Download products in Revit®, Archicad®, IFC® formats, etc.
- Download catalogues and manuals
- Request information and advice for your project

bimobject®

VISUAL PROPERTIES

RECSCREEN 5000P 10% openness factor		OPTICAL FACTORS
REF.	COLOUR	TV n-h ($\tau_{v, n-h}$)
R-000	White-White	21,1
R-001	White-Linen	19,1
R-002	White-Sable	16,8
R-004	White-Pearl Gray	16,6
R-005	White-Dark Gray	11,5
R-300	Black-Black	10,5
R-305	Black-Dark Gray	10,5
R-307	Black-Bronze	10,1
R-400	Pearl Gray-Pearl Gray	12,4
R-405	Pearl Gray-Dark Gray	10,5



OPTICAL FACTORS

TV n-h ($\tau_{v, n-h}$):
Normal-hemispheric light transmittance in %



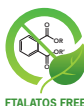


FABRIC CHARACTERISTICS	RECSCREEN 5000P	STANDARD
Composition	18% PES HT - 82% PVC	
Type of fabric	Panama polyester screen	
Yarn diameter	0,40 mm	
Openness factor	10%	UNE-EN 14500:2010
Colour range	10 colours	
Use	Indoor and Outdoor	

TECHNICAL FEATURES		
Weight	500 g/m ² / 14,7 oz/yd ²	UNE-EN 12127:1998
Thickness	0,65 mm	UNE-EN ISO 5084:1997
Width	300 cm / 118"	
Standard roll length	25 m / 27.3 yards	
Tensile strength (warp/weft)	150/140 daN/5 cm	UNE-EN ISO 13934-1:2013
Tear strength (warp/weft)	11/12,5 daN	UNE-EN ISO 13937-2:2001
Resistance to cold and heat after tropicalisation test	-30°C / +70°C -22°F / 158°F	UNE 53243-22:1978
Colour fastness to artificial light - Xenotest	4 (Good) Grey scale 7 (Very good) Blue scale	UNE-EN ISO 105 B02:2014
Colour fastness to artificial weathering - Xenotest	4-5 (Good-Excellent) Grey scale	UNE-EN ISO 105 B04:1998
Antimicrobial activity	Up to 99,99% bacteria growth reduction No fungi growth, fungistatic fabric - Grade 0	AATCC Test Method 100-2012 UNE-EN ISO 846:1998
Fire classification	Class 1 B-s2,d0 (on substrate and with air chamber)	UNE-EN 13773:2003 UNE-EN 13501-1:2007+A1:2009

QUALITY MANAGEMENT SYSTEM		
ISO 9001		ISO 9001:2015

SAFETY, HEALTH AND ENVIRONMENT		
Odour test at temperature of (40 ± 2)°C	2 (Perceptible, not unpleasant)	PV-3900:2000-08
Odour test at temperature of (80 ± 2)°C	3 (Clearly perceptible, still not unpleasant)	
Ultraviolet protection factor - UPF	< 15 (No classification)	AS-NZS 4399:1996



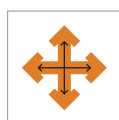
TEST LABORATORIES



ADVANTAGES AND BENEFITS



Textile look and feel



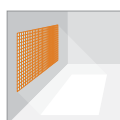
Dimensional stability



Rolling quality



No cone effect



No colour distortion



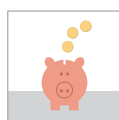
Printable fabrics



Easy to maintain



Energy saving



Cost saving



Stands the test of time



RECASENS
BCN 1886



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