

RecScreen®
6000

2%



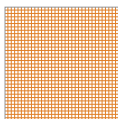
RECASENS
BCN 1886



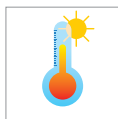
RecScreen®

6000

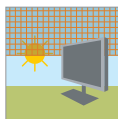
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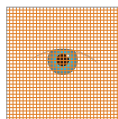
Low opening



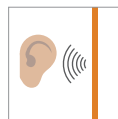
Thermal comfort



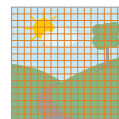
Glare control



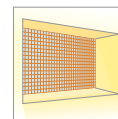
Privacy



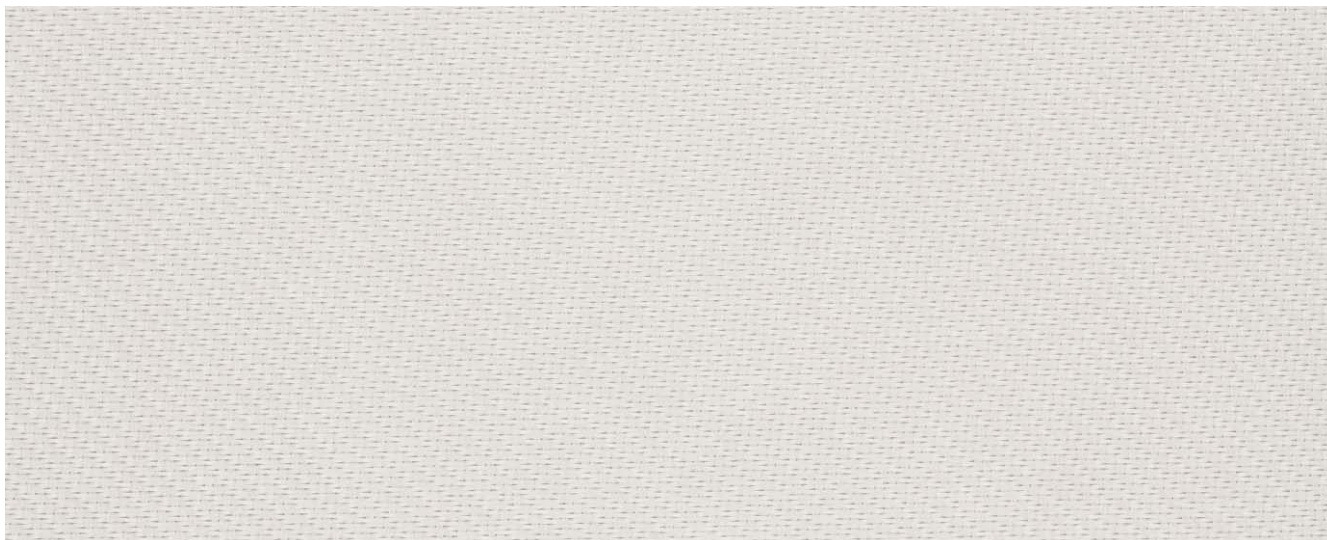
Acoustic absorption



Visibility to the outside



Natural light



R-000

White-White



R-001

White-Linen



R-100

Linen-Linen



R-004

White-Pearl Gray



R-400

Pearl Gray-Pearl Gray



R-002

White-Sable



R-402

Pearl Gray-Sable



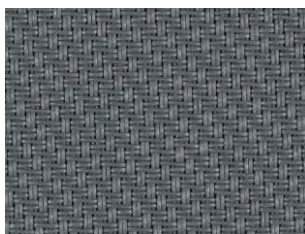
R-502

Dark Gray-Sable



R-505

Dark Gray-White



R-500

Dark Gray-Dark Gray



R-700

Anthracite-Anthracite



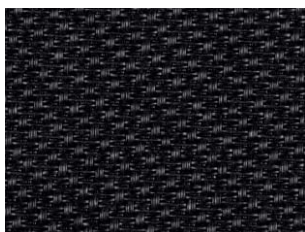
R-503

Dark Gray-Black



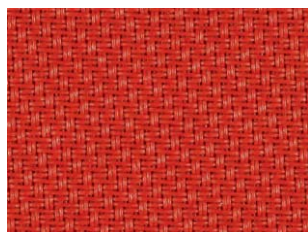
R-307

Black-Bronze



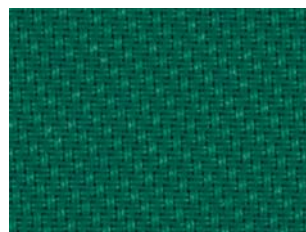
R-300

Black-Black



R-140

Red Ferrari-Red Ferrari



R-150

Green-Green

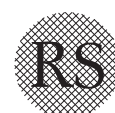
RECOMMENDED APPLICATIONS - RESIDENTIAL AND TERTIARY

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		✓	✓
Japanese panels		✓	✓
Folding awnings		✓	✓
Shade sails		✓	✓
Tensioned textiles under skylights		✓	✓
INDOOR FURNITURE		R	T
Office chairs		✓	✓
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		✓	✓

- (1) Up to 12m in line and 9m drop with Llaza ironworks.
 (2) Depending on awning model, up to 5.5 m in line and 3 m extension with 2 arms and Llaza ironworks. Ask for more information about maximum dimensions for multi-arm awnings.
 (3) For awnings up to, approximately, 4/5m in line x 3/2.75m extension.
 (4) Depending on model, up to 4/4.75 m in line x 5.5/4.75m extension with 2 guides and Llaza ironworks, with both line and extension being adjustable whilst maintaining the same surface area of fabric. Ask for more information about maximum dimensions with more than 2 guides.
 (5) Up to 4.5 m in line and 2 x 2.5m extension, with 2 arms and Llaza ironworks.

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		✓	✓
Invisible arm awnings (2)		✓	✓
Roller drop awnings (3)		✓	✓
Vertical or downward awnings		✓	✓
Hoods or fixed canopies		✓	✓
Retractable hoods or Dutch awnings		✓	✓
COVERINGS AND ENCLOSURES		R	T
Fixed pergolas and walkways		✓	✓
Roofs with fabric enclosures		✓	✓
Walls with fabric enclosures		✓	✓
Verandas (4)		✓	✓
Pergolas with folding awning		✓	✓
FACADES		R	T
Fixed or sliding panels		✓	✓
Balcony coverings and technical elements		✓	✓

OUTDOORS AND TEXTILE ARCHITECTURE			
OUTDOOR SOLAR PROTECTION		R	T
Umbrellas and sunshades		✓	✓
Self-supporting double awning (5)		✓	✓
Shade sails		✓	✓
Arbours		✓	✓
Canopies		✓	✓
Privacy screens and windbreaks		✓	✓
OUTDOOR FURNITURE		R	T
Deckchairs		✓	✓
Portable sun loungers		✓	✓
Portable armchairs and sofas		✓	✓
Portable seats and chairs		✓	✓
Portable stools		✓	✓



RecScreen®
6000

THERMAL FACTORS

RECScreen 6000 2% 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	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	17,3	69,7	13,0	0,34	2	0,25	2	0,13	3	0,08	4	2,7
R-001	White-Linen	13,1	62,6	24,3	0,37	1	0,25	2	0,11	3	0,08	4	2,6
R-002	White-Sable	11,1	54,4	34,5	0,39	1	0,26	2	0,10	3	0,08	4	2,0
R-004	White-Pearl Gray	10,2	56,1	33,7	0,39	1	0,26	2	0,10	4	0,07	4	2,1
R-100	Linen-Linen	13,7	51,2	35,1	0,40	1	0,26	2	0,12	3	0,09	4	2,0
R-140	Red Ferrari-Red Ferrari	12,1	21,7	66,2	0,50	1	0,29	2	0,14	3	0,10	3	1,3
R-300	Black-Black	2,0	3,1	94,9	0,56	0	0,31	2	0,10	4	0,08	4	1,8
R-307	Black-Bronze	1,3	4,8	93,9	0,55	0	0,30	2	0,09	4	0,08	4	1,2
R-400	Pearl Gray-Pearl Gray	7,7	36,2	56,1	0,45	1	0,28	2	0,10	3	0,08	4	2,3
R-402	Pearl Gray-Sable	9,0	36,1	54,9	0,45	1	0,28	2	0,11	3	0,08	4	2,4
R-500	Dark Gray-Dark Gray	2,2	11,7	86,1	0,53	0	0,30	2	0,09	4	0,08	4	1,8
R-502	Dark Gray-Sable	3,4	17,5	79,1	0,51	0	0,29	2	0,09	4	0,08	4	1,7
R-503	Dark Gray-Black	2,9	8,5	88,6	0,54	0	0,30	2	0,10	4	0,08	4	2,6
R-505	Dark Gray-White	2,3	26,1	71,6	0,48	1	0,28	2	0,08	4	0,07	4	0,7
R-700	Anthracite-Anthracite	2,1	6,8	91,1	0,54	0	0,30	2	0,10	4	0,08	4	1,9

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

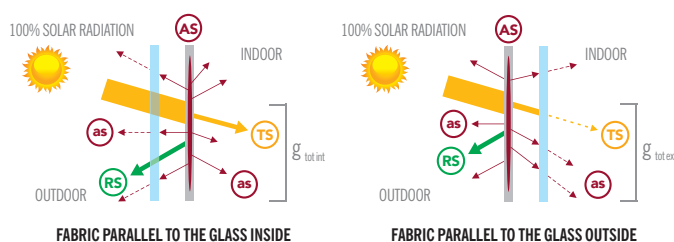
TS SOLAR TRANSMISSION

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

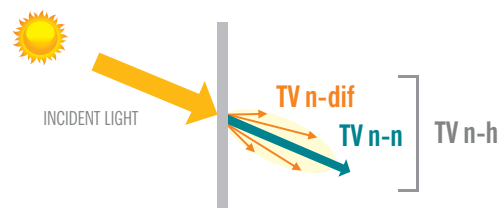
In order to facilitate the work of all those involved in the project, as well as to provide the possibility of performing an energy calculation for our products and adapting it to the specific project data, RECASENS & LLAZA subscribe to the BIM methodology, making their entire range of fabrics converted 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 6000 2% openness factor		OPTICAL FACTORS
REF.	COLOUR	
		TV n-h ($\tau_{v, n-h}$)
R-000	White-White	14,5
R-001	White-Linen	9,8
R-002	White-Sable	6,0
R-004	White-Pearl Gray	7,5
R-100	Linen-Linen	8,5
R-140	Red Ferrari-Red Ferrari	2,1
R-300	Black-Black	1,9
R-307	Black-Bronze	1,3
R-400	Pearl Gray-Pearl Gray	5,1
R-402	Pearl Gray-Sable	5,4
R-500	Dark Gray-Dark Gray	2,0
R-502	Dark Gray-Sable	2,4
R-503	Dark Gray-Black	2,8
R-505	Dark Gray-White	1,6
R-700	Anthracite-Anthracite	2,1



OPTICAL FACTORS

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





FABRIC CHARACTERISTICS	RECSCREEN 6000	STANDARD
Composition	18% PES HT - 82% PVC	
Type of fabric	Twill polyester screen	
Yarn diameter	0,40 mm	
Openness factor	2%	UNE-EN 14500:2010
Colour range	16 colours	
Use	Indoor and Outdoor	

TECHNICAL FEATURES

Weight	610 g/m ² / 18 oz/yd ²	UNE-EN 12127:1998
Thickness	0,78 mm	UNE-EN ISO 5084:1997
Width	300 cm / 118"	
Standard roll length	25 m / 27.3 yards	
Tensile strength (warp/weft)	160/135 daN/5 cm	UNE-EN ISO 13934-1:2013
Tear strength (warp/weft)	10/8.5 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	4-5 (Good - Excellent) Grey scale 7-8 (Very good - Excellent) 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 98,5% 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

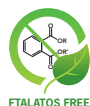
QUALITY MANAGEMENT SYSTEM

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	2 (Perceptible, not unpleasant)	
Ultraviolet protection factor - UPF	40 to 50 (Excellent protection)	AS-NZS 4399:1996



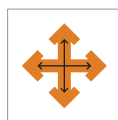
TEST LABORATORIES



ADVANTAGES AND BENEFITS



Textile look and feel



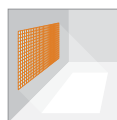
Dimensional stability



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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