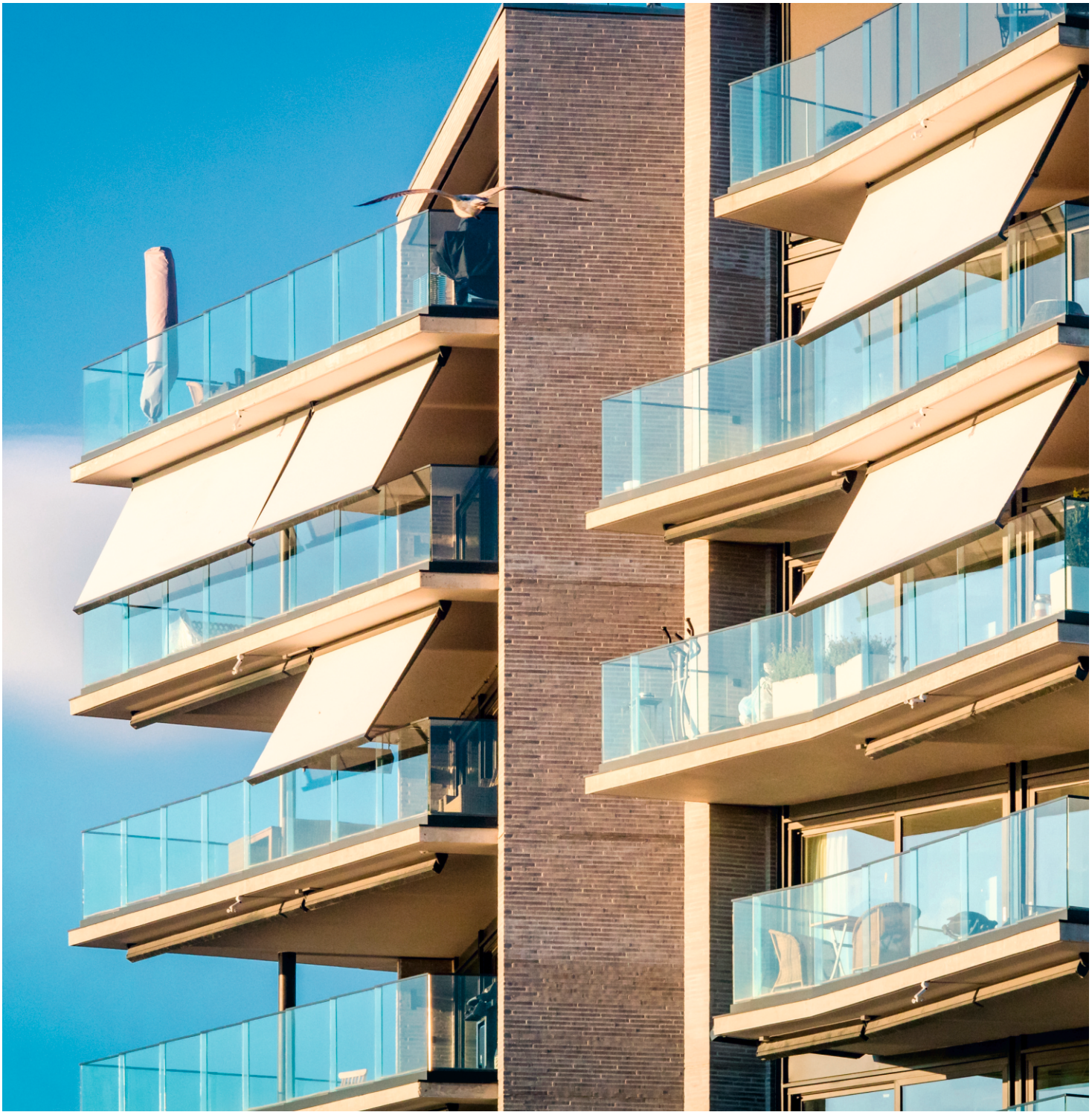
RS | RecScreen®
4000P

1%

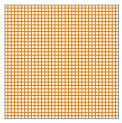


RECASENS
BCN 1886

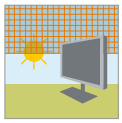
RecScreen®

4000P

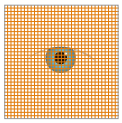
1%


Low opening

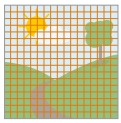

Thermal comfort

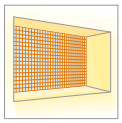

Glare control

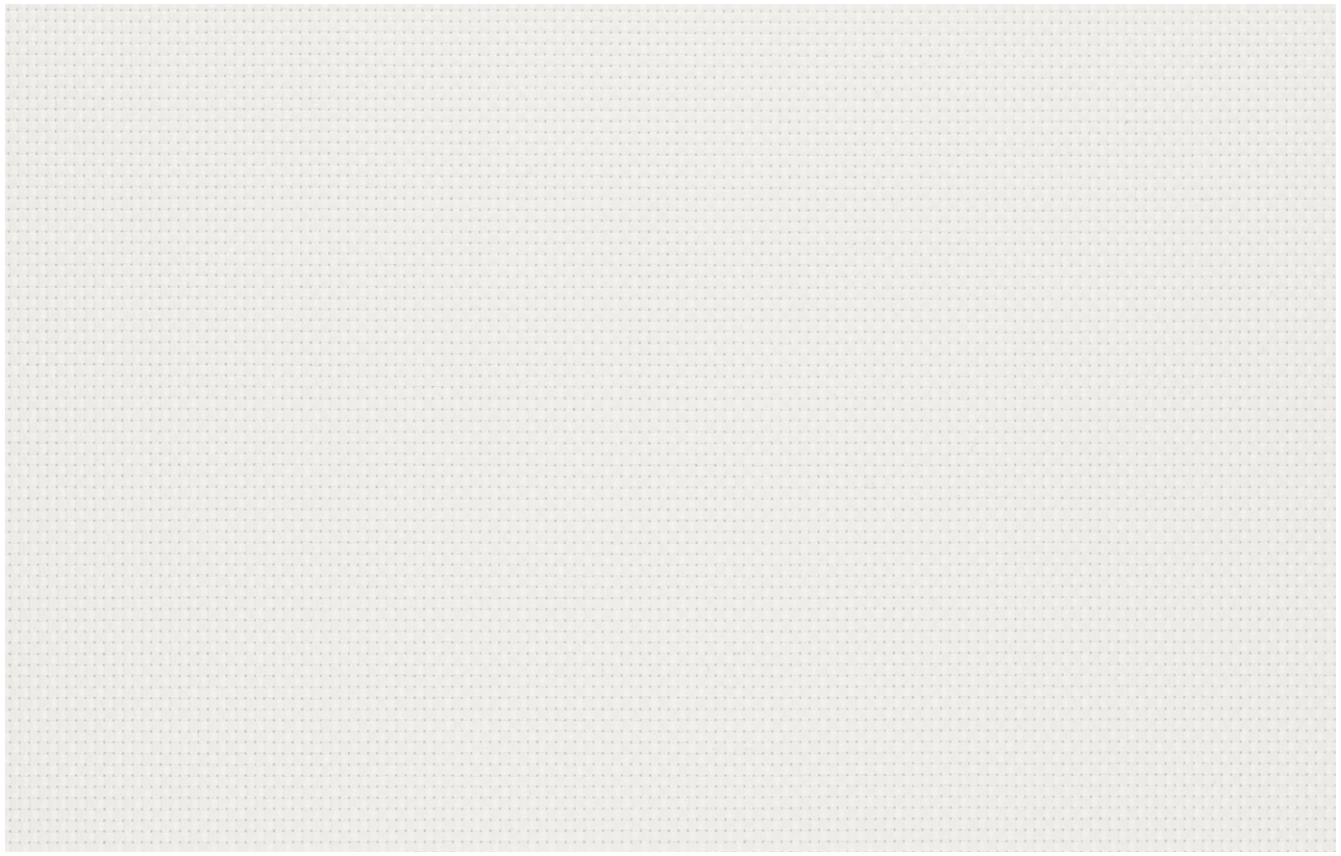

Partial darkening


Privacy


Acoustic absorption

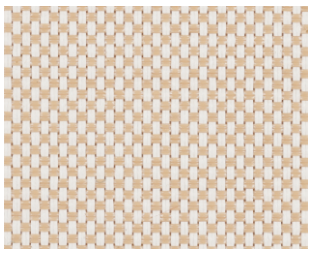

Visibility to the outside


Natural light

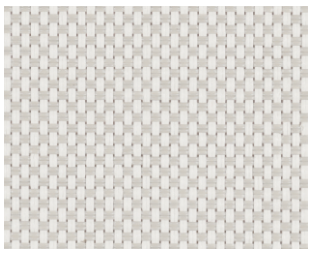


R-000 White-White

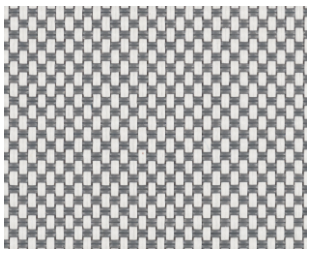
R-001 White-Linen



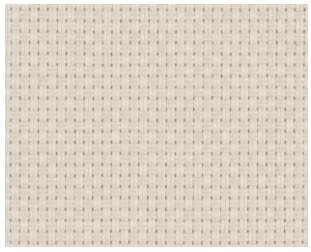
R-002 White-Sable



R-004 White-Pearl Gray

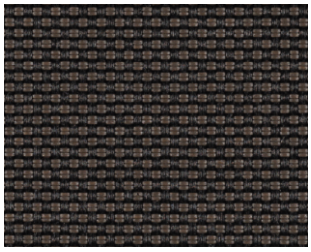


R-005 White-Dark Gray

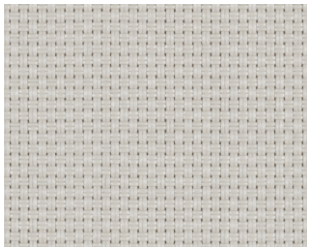


R-100 Linen-Linen

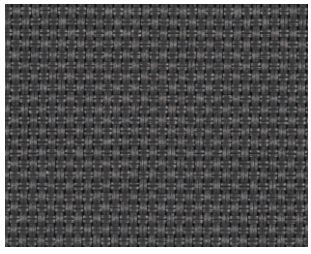
R-300 Black-Black



R-307 Black-Bronze



R-400 Pearl Gray-Pearl Gray



R-700 Anthracite-Anthracite

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	✓	✓
Folding blinds	✓	✓
Vertical blinds	✓	✓
Japanese panels	✓	✓
Folding awnings	✓	✓
Shade sails	✓	✓
Tensioned textiles under skylights	✓	✓
INDOOR FURNITURE	**R**	**T**
Cushions	✓	✓
Armchairs and sofas	✓	✓ (*)
Seats and hairs	✓	✓ (*)
Footstools and pouffes	✓	✓
Office chairs	✓	✓
INDOOR TEXTILE ARCHITECTURE	**R**	**T**
Access to premises	✓	✓
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	✓	✓
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	✓	✓

RS | RecScreen® 4000P

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**
Cushions	✓	✓
Sun loungers	✓	✓
Armchairs and sofas	✓	✓
Seats and chairs	✓	✓
Footstools and pouffes	✓	✓
Deckchairs	✓	✓
Portable sun loungers	✓	✓
Portable armchairs and sofas	✓	✓
Portable seats and chairs	✓	✓
Portable stools	✓	✓

(1) Up to 12m in line and 9m drop with Llaza ironworks.
(2) Depending on awning model, up to 6.25m in line and 4.5m 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 4.75/5.5m in line x 6.5/5.5 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 6m in line and 2 x 2.5m extension, with 2 arms and Llaza ironworks.
(*) For upholstery of mobile furniture (not for upholstery for fixed seats that make up part of the project in cinemas, theatres, auditoriums, assembly halls, etc.).
(**) Small dimensions.

THERMAL FACTORS

RECSCREEN 4000P 1% openness factor		THERMAL FACTORS											UV
		FABRIC			FABRIC + GLAZING IN PARALLEL POSITION								
					Type C Glazing		Type D Glazing		Type C Glazing		Type D Glazing		TUV
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	(τ_{UV})
R-000	White-White	19,8	69,2	11,0	0,35	2	0,25	2	0,14	3	0,09	4	2,6
R-001	White-Linen	16,8	60,3	22,9	0,37	1	0,26	2	0,13	3	0,09	4	2,2
R-002	White-Sable	14,3	52,3	33,4	0,40	1	0,26	2	0,12	3	0,09	4	2,2
R-004	White-Pearl Gray	13,9	51,9	34,2	0,40	1	0,26	2	0,12	3	0,09	4	2,7
R-005	White-Dark Gray	5,1	33,6	61,3	0,46	1	0,28	2	0,09	4	0,07	4	2,1
R-100	Linen-Linen	14,6	54,0	31,4	0,39	1	0,26	2	0,13	3	0,09	4	1,6
R-300	Black-Black	1,5	4,0	94,5	0,55	0	0,30	2	0,10	4	0,08	4	1,5
R-307	Black-Bronze	2,5	6,4	91,1	0,55	0	0,30	2	0,10	4	0,08	4	2,3
R-400	Pearl Gray-Pearl Gray	10,6	39,8	49,6	0,44	1	0,27	2	0,12	3	0,09	4	2,4
R-700	Anthracite-Anthracite	2,6	7,7	89,7	0,54	0	0,30	2	0,10	4	0,08	4	2,3

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/(m2.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/(m2.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.

ULTRAVIOLET FACTORS

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

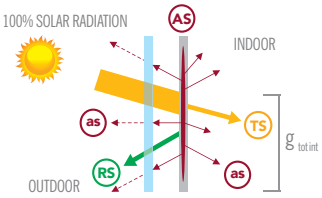
100% SOLAR RADIATION = RS + AS + TS

RS SOLAR REFLECTION
Solar energy reflected by the material towards the outside

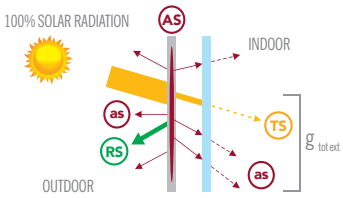
TS SOLAR TRANSMISSION
Solar energy that goes though the material.

AS SOLAR ABSORPTION
Solar energy absorbed by the material.

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



FABRIC PARALLEL TO THE GLASS INSIDE



FABRIC PARALLEL TO THE GLASS OUTSIDE

BIM RECASENS & LLAZA

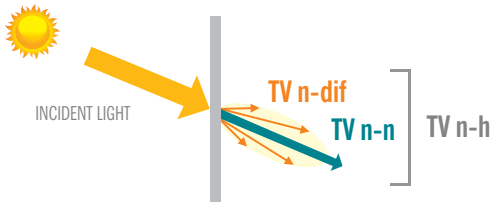
In order to facilitate the work of all those involved in the project, as well as to provide the possibility of performing an energy calculation for our products and adapting it to the specific project data, RECASENS & LLAZA subscribe to the BIM methodology, making their entire range of fabrics coverted 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 4000P 1% openness factor		OPTICAL FACTORS
REF.	COLOUR	TV n-h ($\tau_{v,\ n\text{-}h}$)
R-000	White-White	16,9
R-001	White-Linen	13,3
R-002	White-Sable	9,0
R-004	White-Pearl Gray	10,6
R-005	White-Dark Gray	3,9
R-100	Linen-Linen	10,6
R-300	Black-Black	1,5
R-307	Black-Bronze	2,4
R-400	Pearl Gray-Pearl Gray	7,6
R-700	Anthracite-Anthracite	2,3



OPTICAL FACTORS

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

RecScreen®

4000P

TECHNICAL DATA SHEET

FABRIC CHARACTERISTICS	RECSCREEN 4000P	STANDARD
Composition	30% PES HT - 70% PVC	
Type of fabric	Panama polyester screen	
Yarn diameter	0,30 mm	
Openness factor	1%	UNE-EN 14500:2010
Colour range	10 colours	
Use	Indoor and Outdoor	

TECHNICAL FEATURES		
Weight	475 g/m^2 / 14 oz/yd^2	UNE-EN 12127:1998
Thickness	0,51 mm	UNE-EN ISO 5084:1997
Width	300 cm / 118"	
Standard roll length	30 m / 32.8 yards	
Tensile strength (warp/weft)	190/165 daN/5 cm	UNE-EN ISO 13934-1:2013
Tear strength (warp/weft)	10/10 daN	UNE-EN ISO 13937-2:2001
Resistance to cold and heat after tropicalisation test	-30°C / +70°C -22ºF / 158ºF	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% bacteria growth reduction	AATCC Test Method 100-2012
	No fungi growth, fungistatic fabric - Grade 0	UNE-EN ISO 846:1998
Fire classification	Class 1	UNE-EN 13773:2003
	B-s2,d0 (on substrate and with air chamber)	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

FTALATOS FREE · LEAD FREE · ENERGY CERTIFICATION

TEST LABORATORIES

aitex textile research institute · LEITAT managing technologies · tecnalia Inspiring Business · eurofins

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

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RECASENS BCN 1886

5 YEARS WARRANTY

HEADQUARTERS:

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www.recasens.com

RECSCREEN4000P/V1.04.21