

RecScreen®
Diamante

5%



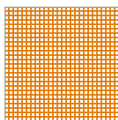
RECASENS
BCN 1886



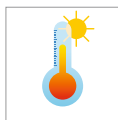
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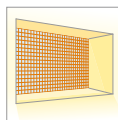
Medium opening



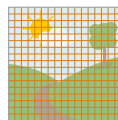
Thermal comfort



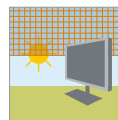
Decoration



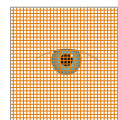
Natural light



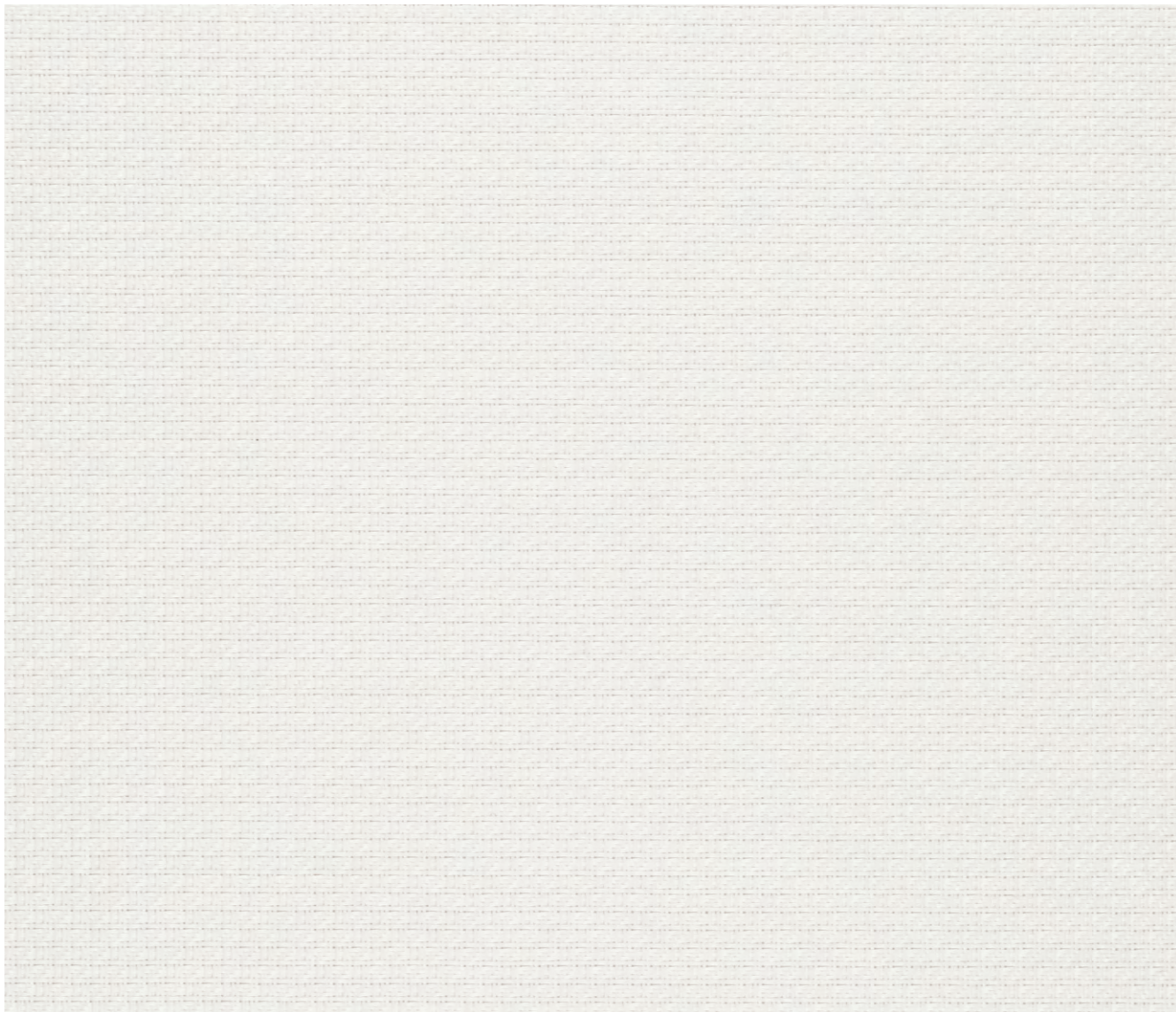
Visibility to the outside



Glare control

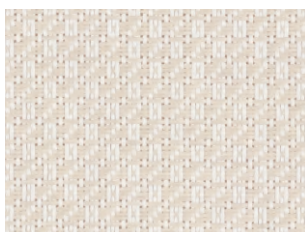


Privacy



R-000

White-White



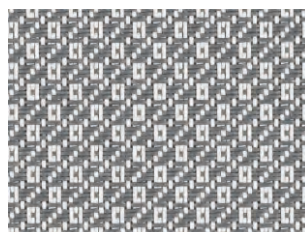
R-001

White-Linen



R-008

White-Silver Gray



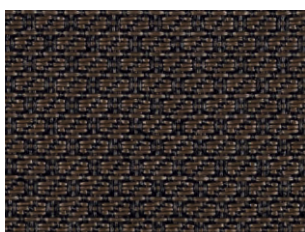
R-005

White-Dark Gray



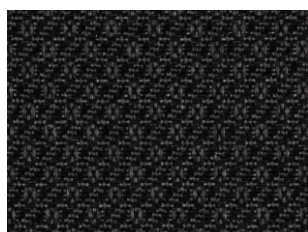
R-308

Black-Silver



R-307

Black-Bronze



R-300

Black-Black

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		✓	
INDOOR FURNITURE		R	T
Cushions		✓	✓
Armchairs and sofas (*)		✓	✓ (*)
Seats and chairs (*)		✓	✓ (*)
Footstools and pouffes		✓	✓
INDOOR TEXTILE ARCHITECTURE		R	T
Wall coverings		✓	
Ceiling coverings		✓	
Ceilings with skylights		✓	
Separators and screens		✓	
Wrappings for isolated elements		✓	
Decorative accessories		✓	

OUTDOORS AND TEXTILE ARCHITECTURE			
OUTDOOR FURNITURE		R	T
Cushions		✓	✓
Sun loungers		✓	✓
Armchairs and sofas		✓	✓
Seats and chairs		✓	✓
Footstools and pouffes		✓	✓



(*) 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.)



RecScreen®
Diamante

THERMAL FACTORS

RECSCREEN Diamante 5% openness factor		THERMAL FACTORS							UV
		FABRIC			FABRIC + GLAZING IN PARALLEL POSITION				TUV (τ_{uv})
					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	
R-000	White-White	20,3	67,4	12,3	0,35	1	0,25	2	4,2
R-001	White-Linen	20,2	55,9	23,9	0,39	1	0,26	2	5,0
R-005	White-Dark Gray	7,7	35,2	57,1	0,45	1	0,28	2	3,2
R-008	White-Silver	19,2	42,4	38,4	0,43	1	0,27	2	4,9
R-300	Black-Black	5,2	3,6	91,2	0,56	0	0,31	2	5,2
R-307	Black-Bronze	4,9	5,4	89,7	0,55	0	0,30	2	4,4
R-308	Black-Silver	8,1	10,5	81,4	0,53	0	0,30	2	4,1

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.

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.

ULTRAVIOLET FACTORS

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

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



SOLAR REFLECTION

Solar energy reflected by the material
towards the outside



SOLAR TRANSMISSION

Solar energy that goes through
the material.

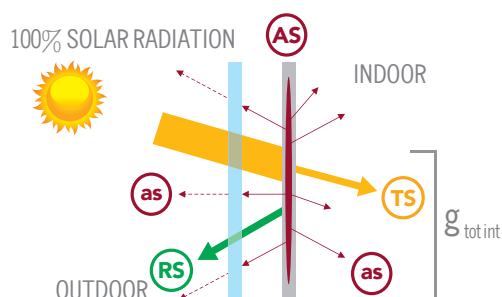


SOLAR ABSORPTION

Solar energy absorbed by the material.



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



FABRIC PARALLEL TO THE GLASS INSIDE

BIM RECASENS & LLAZA

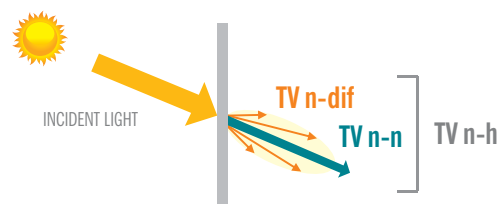
In order to facilitate the work of all those involved in the project, as well as to provide the possibility of performing an energy calculation for our products and adapting it to the specific project data, RECASENS & LLAZA subscribe to the BIM methodology, making their entire range of fabrics converted 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 Diamante 5% openness factor		OPTICAL FACTORS
REF.	COLOUR	TV n-h ($\tau_{v, n-h}$)
R-000	White-White	17,1
R-001	White-Linen	16,1
R-005	White-Dark Gray	6,2
R-008	White-Silver	15,9
R-300	Black-Black	5,2
R-307	Black-Bronze	4,7
R-308	Black-Silver	7,5



OPTICAL FACTORS

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





FABRIC CHARACTERISTICS	RECScreen DIAMANTE	STANDARD
Composition	30% PES HT - 70% PVC	
Type of fabric	Fantasy polyester screen	
Yarn diameter	0,30 mm	
Openness factor	5%	UNE-EN 14500:2010
Colour range	7 colours	
Use	Indoor and Outdoor	

TECHNICAL FEATURES

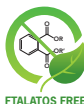
Weight	410 g/m ² / 12,1 oz/yd ²	UNE-EN 12127:1998
Thickness	0,51 mm	UNE-EN ISO 5084:1997
Width	300 cm / 118"	
Standard roll length	30 m / 32.8 yards	
Tensile strength (warp/weft)	140/135 daN/5 cm	UNE-EN ISO 13934-1:2013
Tear strength (warp/weft)	7/6 daN	UNE-EN ISO 13937-2:2001
Colour fastness to artificial 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 99,97% bacteria growth reduction No fungi growth, fungistatic fabric - Grade 0	AATCC Test Method 100-2012 UNE-EN ISO 846:1998
Fire classification	Class 1	UNE-EN 13773:2003

QUALITY MANAGEMENT SYSTEM

ISO 9001	ISO 9001:2015
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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)	



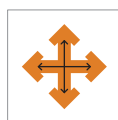
TEST LABORATORIES



ADVANTAGES AND BENEFITS



Textile look and feel



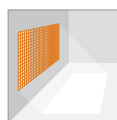
Dimensional stability



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



HEADQUARTERS:

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