

SATIN Technical Specifications

Different opacities, luminosities and finishes allow you to choose its level of luminosity and light diffusion, smooth to the touch, brilliance, resistance to stains and an antireflection action for a sustainable use in most versatile applications: architectural, interior design and furniture.

SatenGlas®

SatenLux®

LuxMat®

Measurements and parameters stated by the Ift Rosenheim DIN 67507 and European Standard EN 673 for SEVASA glass: SatenGlas®, SatenLux® and LuxMat® (different thicknesses and types of glass).

TECHNICAL SPECIFICATIONS. COMPARISON

INCIDENCE OF LIGHT

Clear 5 mm glass		LuxMat®	SatenLux®	SatenGlas®
Ultraviolet transmission	τ_{UV}	0,58	0,58	0,55
Light transmission	τ	0,89	0,89	0,85
Light Reflection	ρ	0,08	0,08	0,10
Radiation transmission	τ_e	0,81	0,81	0,79
Radiation reflection	ρ_e	0,07	0,07	0,09
Secondary heat emission factor	q_l	0,03	0,03	0,03
Total energy transmission	g	0,84	0,84	0,81

Measurement following norm DIN 67507 vertical light transmittance.

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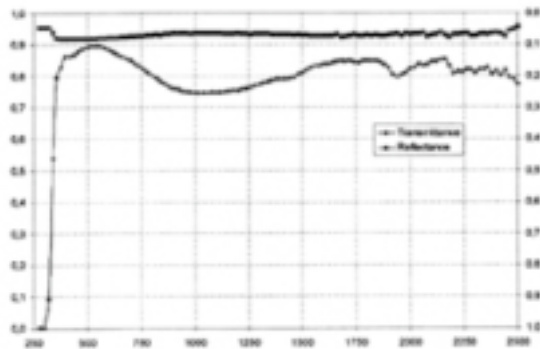
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SATENGLAS®
 TECHNICAL INFORMATION

The SatenGlas® is produced on float glass according to Spanish UNE-EN 572-2. The “ift Rosenheim” was charged by SEVASA to determine the physical parameters of our glass. The measurements and evaluations are based on the German standard DIN 67507 and on the European Standard EN 673.

SatenGlas® Clear 5 mm	<i>Incidence of light on satin-finished</i>	<i>Incidence of light on side without satin-finish</i>
Ultraviolet transmittance τ_{UV}	0,55	0,57
Light transmittance τ	0,85	0,89
Light reflectance (exterior) ρ	0,10	0,08
Solar direct transmittance τ_e	0,78	0,82
Solar direct reflectance (exterior) ρ_e	0,09	0,07
Secondary internal heat transfer factor q_i	0,03	0,03
Total solar energy transmittance g	0,81	0,85

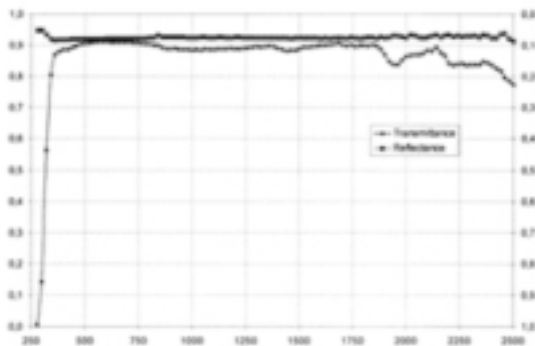
Measurement and calculation results for the glass pane “SatenGlas® Clear 5 mm” according to DIN 67507 for normal incidence of light.



Spectral direct transmittance and reflectance for the glass pane “SatenGlas® Clear 5 mm” for normal incidence of light on side with satin-finish of pane.

SatenGlas® Extraclear 5 mm	<i>Incidence of light on satin-finished</i>	<i>Incidence of light on side without satin-finish</i>
Ultraviolet transmittance τ_{UV}	0,75	0,78
Light transmittance τ	0,87	0,91
Light reflectance (exterior) ρ	0,11	0,08
Solar direct transmittance τ_e	0,85	0,89
Solar direct reflectance (exterior) ρ_e	0,10	0,08
Secondary internal heat transfer factor q_i	0,01	0,01
Total solar energy transmittance g	0,86	0,90

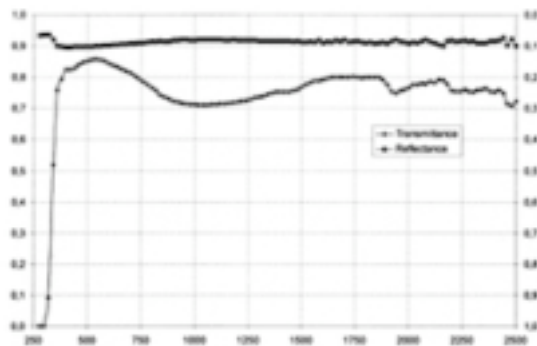
Measurement and calculation results for the glass pane “SatenGlas® Extraclear 5 mm” according to DIN 67507 for normal incidence of light.



Spectral direct transmittance and reflectance for the glass pane “SatenGlas® Extraclear 5 mm” for normal incidence of light on side with satin-finish of pane.

SatenGlas® Clear 5 mm two faces	<i>Incidence of light on satin-finished side</i>
Ultraviolet transmittance τ_{UV}	0,55
Light transmittance τ	0,85
Light reflectance (exterior) ρ	0,10
Solar direct transmittance τ_e	0,78
Solar direct reflectance (exterior) ρ_e	0,09
Secondary internal heat transfer factor q_i	0,03
Total solar energy transmittance g	0,81

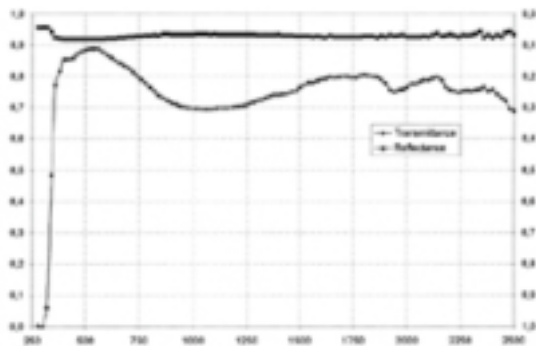
Measurement and calculation results for the glass pane “SatenGlas® Clear 5 mm two faces” according to DIN 67507 for normal incidence of light.



Spectral direct transmittance and reflectance for the glass pane “SatenGlas® Clear 5 mm two faces” for normal incidence of light on side with satin-finish of pane.

SatenGlas® Clear 6 mm	<i>Incidence of light on satin-finished</i>	<i>Incidence of light on side without satin-finish</i>
Ultraviolet transmittance τ_{UV}	0,52	0,54
Light transmittance τ	0,85	0,88
Light reflectance (exterior) ρ	0,09	0,08
Solar direct transmittance τ_e	0,76	0,79
Solar direct reflectance (exterior) ρ_e	0,08	0,07
Secondary internal heat transfer factor q_i	0,04	0,04
Total solar energy transmittance g	0,80	0,82

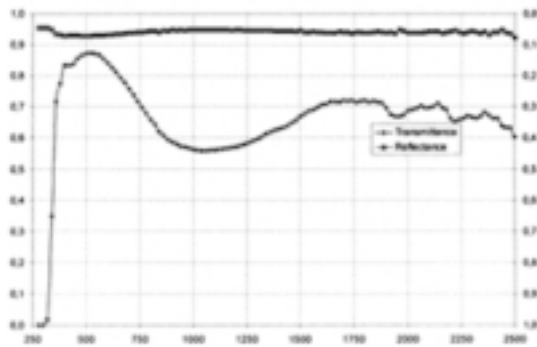
Measurement and calculation results for the glass pane “SatenGlas® Clear 6 mm” according to DIN 67507 for normal incidence of light.



Spectral direct transmittance and reflectance for the glass pane “SatenGlas® Clear 6 mm” for normal incidence of light on side with satin-finish of pane.

SatenGlas® Clear 10 mm	<i>Incidence of light on satin-finished</i>	<i>Incidence of light on side without satin-finish</i>
Ultraviolet transmittance τ_{UV}	0,45	0,47
Light transmittance τ	0,82	0,86
Light reflectance (exterior) ρ	0,08	0,07
Solar direct transmittance τ_e	0,68	0,71
Solar direct reflectance (exterior) ρ_e	0,07	0,06
Secondary internal heat transfer factor q_i	0,07	0,06
Total solar energy transmittance g	0,75	0,77

Measurement and calculation results for the glass pane “SatenGlas® Clear 10 mm” according to DIN 67507 for normal incidence of light.



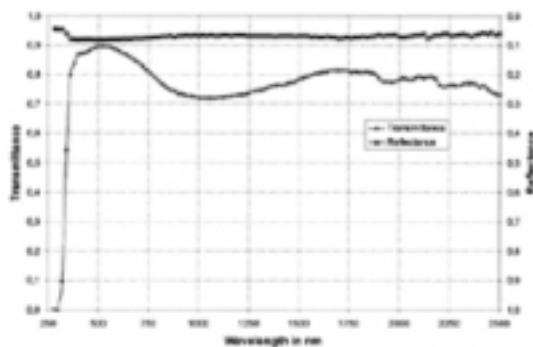
Spectral direct transmittance and reflectance for the glass pane “SatenGlas® Clear 10 mm” for normal incidence of light on side with satin-finish of pane.

SATENLUX®
TECHNICAL INFORMATION

The SatenLux® is produced on float glass according to Spanish UNE-EN 572-2. The “ift Rosenheim” was charged by SEVASA to determine the physical parameters of our glass. The measurements and evaluations are based on the German standard DIN 67507 and on the European Standard EN 673.

SatenLux® Clear 5 mm	Incidence of light on satin-finished	Incidence of light on side without satin-finish
Ultraviolet transmittance τ_{UV}	0,58	0,58
Light transmittance τ	0,89	0,89
Light reflectance (exterior) ρ	0,08	0,08
Solar direct transmittance τ_e	0,80	0,80
Solar direct reflectance (exterior) ρ_e	0,07	0,07
Secondary internal heat transfer factor q_i	0,03	0,03
Total solar energy transmittance g	0,84	0,84

Measurement and calculation results for the glass pane “SatenLux® Clear 5 mm” according to DIN 67507 for normal incidence of light.



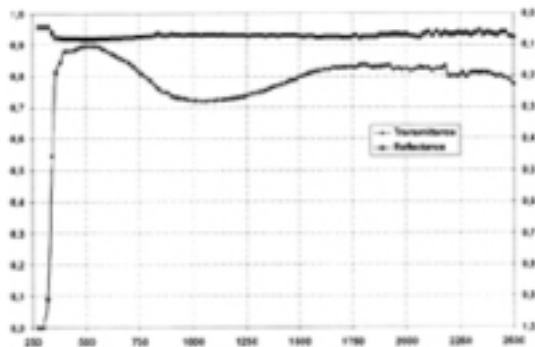
Spectral direct transmittance and reflectance for the glass pane “SatenLux® Clear 5 mm” for normal incidence of light on side with satin-finish of pane.

LUXMAT®
TECHNICAL INFORMATION

The LuxMat® is produced on float glass according to Spanish UNE-EN 572-2.
The “ift Rosenheim” was charged by SEVASA to determine the physical parameters of our glass. The measurements and evaluations are based on the German standard DIN 67507 and on the European Standard EN 673.

LuxMat® Clear 5 mm	<i>Incidence of light on satin-finished</i>	<i>Incidence of light on side without satin-finish</i>
Ultraviolet transmittance τ_{UV}	0,58	0,58
Light transmittance τ	0,89	0,89
Light reflectance (exterior) ρ	0,08	0,08
Solar direct transmittance τ_e	0,81	0,81
Solar direct reflectance (exterior) ρ_e	0,07	0,07
Secondary internal heat transfer factor q_i	0,03	0,03
Total solar energy transmittance g	0,84	0,84

Measurement and calculation results for the glass pane “LuxMat® Clear 5 mm” according to DIN 67507 for normal incidence of light.



Spectral direct transmittance and reflectance for the glass pane “LuxMat® Clear 5 mm” for normal incidence of light on side with satin-finish of pane.