

# SCL SR PS7

Technical data according to EN 410 and EN 673

4 mm single

4 / 16 / 4 mm double

Corrected emissivity of uncoated glass surface

0.837

Solar Energy Transmission, $\tau_e$	78 %	65 %
Solar Energy Reflection, $\rho_e$	8 %	13 %
Solar Energy Absorption, $a_e$	14 %	22 %

Visible Light Transmission, $\tau_V$	87 %	78 %
Visible Light Reflection (External) , $\rho_{Ve}$	9 %	15 %
Visible Light Reflection (Internal) , $\rho_{Vi}$	9 %	15 %

Ultraviolet Transmission, $\tau_{UV}$	< 5 %
Ultraviolet Rejection	> 95 %

g value	0.81	0.73
Shading Coefficient	0.93	0.84
Total Solar Energy Rejected	19 %	27 %
Glare Reduction	1 %	11 %

U value, single glazing (W/m <sup>2</sup> .K)	5.8	-
U value, double glazing, Air filled (W/m <sup>2</sup> .K)	-	2.8

Emissivity, $\epsilon_n$	0.92
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Thickness without liner	193 $\mu$
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Film Colour / Appearance	Clear
Installation position	Interior
Warranty	10 years**

Installation Notes: Safety and security films must be installed by trained and qualified personnel. Use Film On for installation.

\* Please check the complete Film to Glass Thermal Stress Compatibility Guidelines **before** film installation. \*\* Contact Solutia Performance Films for full details. All values for engineering parameters are determined by the manufacturer and independent testing laboratories.

# SCL SR PS7

## Features & Benefits

- Clear safety film: Modifies glass to safe breakage in conformity with EN 12600
- Complies with EN 12600 Class 1(B)1 on 4 mm float glass
- Excellent transparency
- Nearly invisible, once installed
- Scratch resistant coating: Excellent resistance to scratching and abrasion, increasing longevity and allowing easy cleaning
- High adhesive bond strength with glass – enhances safety against impact, bomb blast and deliberate attack
- Acrylic heat resistant pressure sensitive adhesive with fast adhesion to glass
- Interior installation
- All safety and security films should only be installed by persons trained by Solutia Performance Films. Specific procedures must be followed.
- Features:
  - Tensile Strength - Machine direction 199 N / mm<sup>2</sup>; - Transverse direction 148 N / mm<sup>2</sup>
  - Yield Strength - Machine direction 102 N / mm<sup>2</sup>; - Transverse direction 107 N / mm<sup>2</sup>
  - Elongation at Break - Machine direction 70 %; - Transverse direction 85 %
  - Elongation at Yield - Machine direction 6.5 %; - Transverse direction 8 %

## SCL SR PS7 Spectra

