



# SOLAR SHIELD

## INSULATED GLASS PACKAGES



### MAXIMIZE WINDOW PERFORMANCE WITH SOLAR SHIELD GLASS TECHNOLOGY

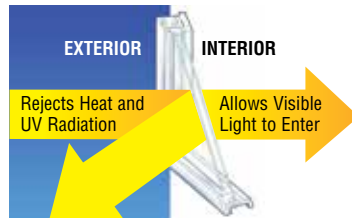
Windows are about 80% glass and can be a significant source of energy loss, so it's essential to choose a glass system that meets the tough demands of Northern climates. The glass should provide insulation from extreme weather yet allow the warmth and beauty of natural light to shine through.

Double- and triple-glazed glass units with the Super Spacer® structural foam spacer provide optimal energy efficiency and more:

- Resist condensation
- Reduce energy costs
- Provide long-life durability
- Add both comfort and value to your windows

### SOLAR SHIELD GLASS PACKAGES

- Feature increased solar control to help create consistent indoor temperatures in regions with hot summers and cold winters
- Meet ENERGY STAR® requirements for all Climate Zones (1, 2 and 3) for all Regency window styles
- Block up to 50% more unwanted solar energy than standard clear glass and up to 40% more than even dark tinted glass, resulting in lower air-conditioning usage and a more comfortable indoor climate
- Achieve centre-of-glass R-values up to 9, depending on the size and model of the window



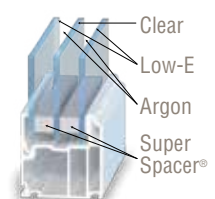
The "R" indicates the resistance to heat flow through a solid object. The higher the R-value, the better the insulation performance against heating and cooling loss!

#### Solar Shield 3DK



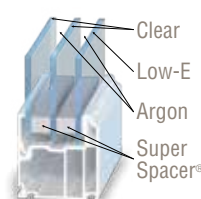
R9/U.110/SHCG.389/VT.555

#### Solar Shield 3D



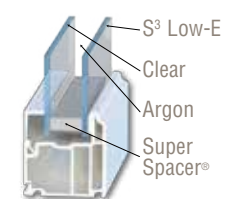
R5/U.196/SHCG.385/VT.555

#### Solar Shield 3



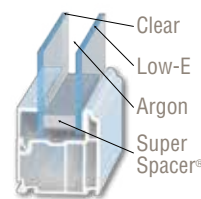
R4/U.246/SHCG.453/VT.641

#### Solar Shield S<sup>3</sup>



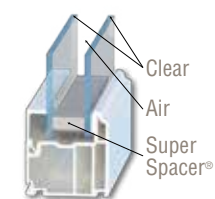
R4/U.251/SHCG.266/VT.620

#### Solar Shield



R4/U.253/SHCG.481/VT.706

#### Clear/Clear



R2/U.482/SHCG.764/VT.814

NOTE: All values based on centre of glass.

## SOLAR SHIELD GLASS FOR SUPERIOR ENERGY SAVINGS AND SOLAR CONTROL

Classically styled and powerfully built, Regency windows are backed by decades of window manufacturing expertise. Pride in our products and craftsmanship are at the heart of our commitment to quality. It's what makes our windows among the best in the industry and our service second to none.

- Solar Shield dual- and triple-glazed insulated glass units
- Super Spacer® structural foam spacer, various surfaces of Low-E and chambers of insulating gas for increased solar control
- ENERGY STAR qualified for all Climate Zones (1, 2 and 3) for all Regency window styles
- Blocks up to 50% more unwanted solar energy than clear glass and 40% more than dark tinted glass – helps lower air-conditioning usage!



Model/CPD: Operator:	8R71F/GTK-A-4 Fixed Casement							8R00A/GTK-A-5 Picture					8R71L/R/GTK-A-7 Casement					8R81A/GTK-A-8 Awning					3R10A/GTK-A-20 Single Slider Lift Out				
Name	OT	U	U <sub>Si</sub>	SHGC	R	ER	U	U <sub>Si</sub>	SHGC	R	ER	U	U <sub>Si</sub>	SHGC	R	ER	U	U <sub>Si</sub>	SHGC	R	ER	U	U <sub>Si</sub>	SHGC	R	ER	
Solar Shield 3DK*	Triple	0.979	0.154	0.87	0.312	R7	38	0.140	0.79	0.335	R7	41	0.168	0.95	0.268	R6	34	0.168	0.95	0.268	R6	34	0.170	0.97	0.305	R6	35
Solar Shield 3D	Triple	0.854	0.220	1.25	0.309	R5	30	0.211	1.20	0.331	R5	32	0.223	1.27	0.265	R4	27	0.225	1.28	0.265	R4	27	0.235	1.33	0.301	R4	27
Solar Shield 3	Triple	0.857	0.258	1.47	0.363	R4	28	0.253	1.44	0.389	R4	30	0.256	1.45	0.311	R4	25	0.258	1.47	0.311	R4	25	0.272	1.55	0.354	R4	25
Solar Shield S <sup>3</sup>	Dual	0.862	0.262	1.49	0.213	R4	19	0.257	1.46	0.228	R4	21	0.259	1.47	0.184	R4	17	0.262	1.49	0.184	R4	17	0.276	1.57	0.208	R4	16
Solar Shield	Dual	0.862	0.263	1.49	0.385	R4	29	0.258	1.47	0.413	R4	31	0.260	1.47	0.330	R4	26	0.262	1.49	0.330	R4	26	0.277	1.57	0.376	R4	26
Clear/Air/Clear	Dual	0.865	0.438	2.49	0.609	R2	20	0.448	2.55	0.655	R2	21	0.408	2.31	0.521	R2	18	0.415	2.35	0.521	R2	18	0.449	2.55	0.594	R2	17

Model/CPD: Operator:	3R40A/GTK-A-21 Single Hung							8R10A/GTK-A-23 Double Slider Lift Out					8R40A/GTK-A-24 Double Hung					8R21A/GTK-A-30 Double Slider Tilt					3R21A/GTK-A-32 Single Slider Tilt				
Name	OT	U	U <sub>Si</sub>	SHGC	R	ER	U	U <sub>Si</sub>	SHGC	R	ER	U	U <sub>Si</sub>	SHGC	R	ER	U	U <sub>Si</sub>	SHGC	R	ER	U	U <sub>Si</sub>	SHGC	R	ER	
Solar Shield 3DK*	Triple	0.979	0.170	0.96	0.306	R6	36	0.179	1.02	0.285	R6	32	0.179	1.01	0.286	R6	32	0.179	1.02	0.285	R6	32	0.171	0.97	0.306	R6	35
Solar Shield 3D	Triple	0.854	0.234	1.33	0.303	R4	27	0.239	1.36	0.282	R4	24	0.239	1.36	0.283	R4	25	0.240	1.36	0.282	R4	24	0.236	1.34	0.303	R4	27
Solar Shield 3	Triple	0.857	0.272	1.54	0.355	R4	26	0.274	1.56	0.331	R4	23	0.274	1.56	0.332	R4	23	0.275	1.56	0.332	R4	23	0.274	1.55	0.355	R4	25
Solar Shield S <sup>3</sup>	Dual	0.862	0.276	1.57	0.209	R4	17	0.278	1.58	0.195	R4	15	0.278	1.58	0.195	R4	15	0.279	1.58	0.195	R4	14	0.278	1.58	0.209	R4	16
Solar Shield	Dual	0.862	0.277	1.57	0.377	R4	26	0.279	1.58	0.351	R4	23	0.278	1.58	0.353	R4	24	0.280	1.59	0.352	R4	23	0.279	1.58	0.377	R4	26
Clear/Air/Clear	Dual	0.865	0.448	2.54	0.597	R2	18	0.439	2.49	0.556	R2	15	0.439	2.49	0.557	R2	16	0.441	2.51	0.557	R2	15	0.452	2.57	0.597	R2	17

Whole window values.

### Glass Package Terminology

**Solar Shield 3DK:** Triple-pane unit with 2 panes of Low-E glass, 2 air spaces of krypton gas.

**Solar Shield 3D:** Triple-pane unit with 2 panes of Low-E glass, 2 air spaces of argon gas.

**Solar Shield 3:** Triple-pane unit with 1 pane of Low-E glass, 2 air spaces of argon gas.

**Solar Shield S<sup>3</sup>:** Double-pane unit with 1 pane of 3-coat Low-E glass and argon gas.

**Solar Shield:** Double-pane unit with 1 pane of Low-E glass and argon gas.

**Clear:** Double-pane clear glass unit.



\*Regency windows with our Solar Shield 3DK glass package are recognized as ENERGY STAR Most Efficient 2017.



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