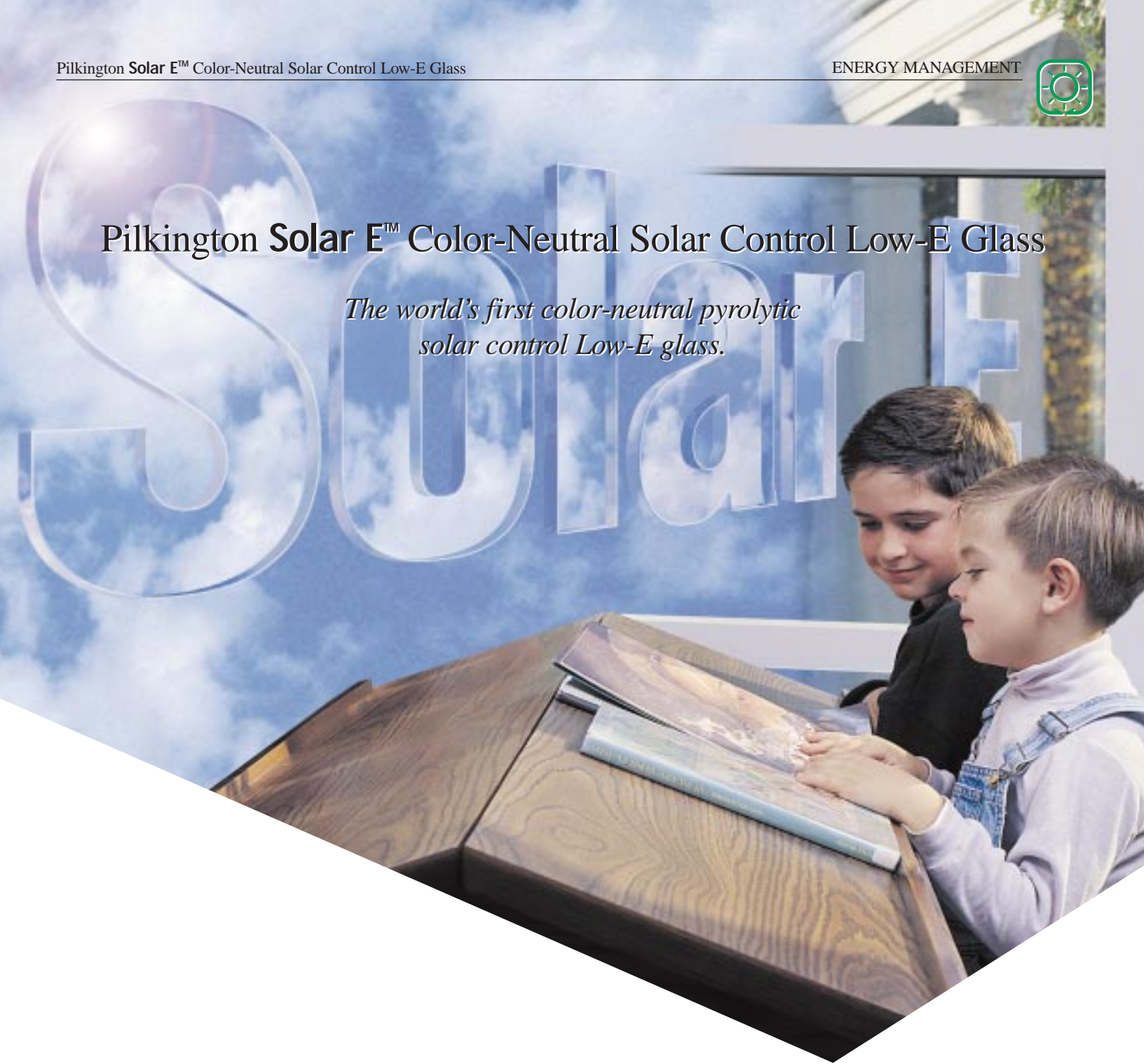




Pilkington Solar E™ Color-Neutral Solar Control Low-E Glass

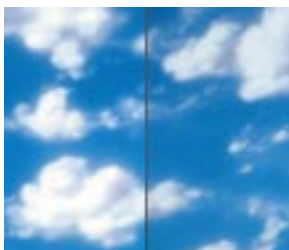
The world's first color-neutral pyrolytic solar control Low-E glass.



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Pilkington Solar E™ Color-Neutral Solar Control Low-E Glass

Designed for color neutrality, low reflectance and better passive solar performance.



This actual unretouched photograph through Pilkington Solar E Glass (right) and without any glass (left) demonstrates its color-neutral aesthetics.

Until now, to combine solar control and Low-E thermal performance in a single glass, you had to use a sputtered (or soft-coat) glass, and that could mean problems like special handling, edge deletion, limited shelf life and inconsistent aesthetics, as well as design constraints due to bendability and size limitations.

But now, there's a new choice: Pilkington Solar E Glass, the world's first pyrolytic color-neutral solar control Low-E glass. Manufactured with an integral pyrolytic surface, Pilkington Solar E Glass is easily handled. It offers consistent, color-neutral aesthetics, even after tempering. And it has an unlimited shelf life, so it's readily available when and where you need it.

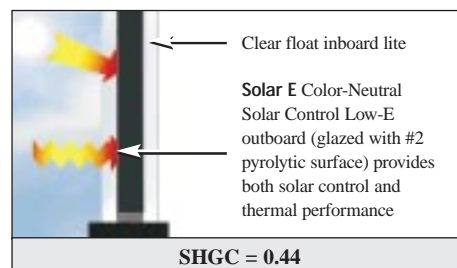
Product Features

- **OPTIMIZES THE SOLAR CONTROL** and energy efficiency of clear I.G. units to create an excellent Sun Management™ Glass System.
- **REDUCES HEAT GAIN**, with a solar heat gain coefficient (SHGC) of only 0.44, compared to SHGCs of 0.70 for clear float and approximately 0.61 for other pyrolytic Low-E glasses.*
- **DURABLE PYROLYTIC SURFACE** offers all the benefits of pyrolytic glass, including unlimited shelf life, excellent availability, easy fabrication and heat treatment – and

is so durable, it can be used in monolithic applications. See Pilkington Technical Bulletin ATS-143 for specific instructions on monolithic applications.

- **CONSISTENT COLOR AESTHETICS** maintained when Solar E Glass is combined with clear, tinted or reflective glasses.
- **GOOD LIGHT TRANSMITTANCE** for a solar control product. When glazed on the #2 surface, Solar E Glass provides 55% visible daylight transmittance for undistorted, natural views.
- **LOW EXTERIOR REFLECTANCE** makes Solar E Low-E Glass ideal for use where high reflectance is prohibited or undesirable.
- **EXCELLENT AVAILABILITY** for significantly reduced lead times, which translates into lower project costs.

*(Based on 1/4" lite in I.G. unit.)



When glazed on the #2 surface, Solar E Glass provides both solar and thermal control. The solar control portion of the Solar E Glass surface absorbs solar energy, which the Low-E insulating portion then retransmits to the outside.



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First in Glass™

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Solar E™ Solar Control Low-E Glass Performance Data*

Nominal Glass Thickness	Visible Light Transmittance %	Reflectance %	Total Solar Energy		UV Transmittance %	U-Value				European U-Value (K-Value)	Solar Heat Gain Coefficient	Shading Coefficient		
			Transmittance %	Reflectance %		Summer		Winter						
						Air	Argon	Air	Argon					
3/32	2.5	64	10	48	13	51	0.69	–	0.75	–	3.7	–	0.55	0.63
1/8	3	65	10	48	12	49	0.69	–	0.75	–	3.7	–	0.55	0.64
5/32	4	64	10	47	12	46	0.69	–	0.74	–	3.6	–	0.54	0.62
3/16	5	62	10	46	12	45	0.69	–	0.74	–	3.6	–	0.53	0.62
1/4	6	61	10	44	11	43	0.69	–	0.74	–	3.6	–	0.52	0.61

Insulating Glass Performance Data (Solar E Solar Control Low-E Glass, #2 Surface, and Optifloat™ Clear Float Glass Inner Lite)

Nominal Glass Thickness	Visible Light Transmittance %	Reflectance %	Total Solar Energy Transmittance %	Reflectance %	UV Transmittance %	U-Value				European U-Value (K-Value)	Solar Heat Gain Coefficient	Shading Coefficient		
						Air	Argon	Air	Argon					
3/32	2.5	59	13	42	15	41	0.37	0.32	0.34	0.29	1.8	1.5	0.47	0.55
1/8	3	59	13	41	14	39	0.37	0.32	0.34	0.29	1.8	1.5	0.47	0.55
5/32	4	58	13	39	14	36	0.37	0.32	0.34	0.29	1.8	1.5	0.46	0.54
3/16	5	55	13	38	13	34	0.37	0.32	0.34	0.29	1.8	1.5	0.45	0.53
1/4	6	55	13	36	13	32	0.37	0.32	0.34	0.29	1.8	1.5	0.44	0.51

*Proposed values of Pilkington Solar E Glass production.