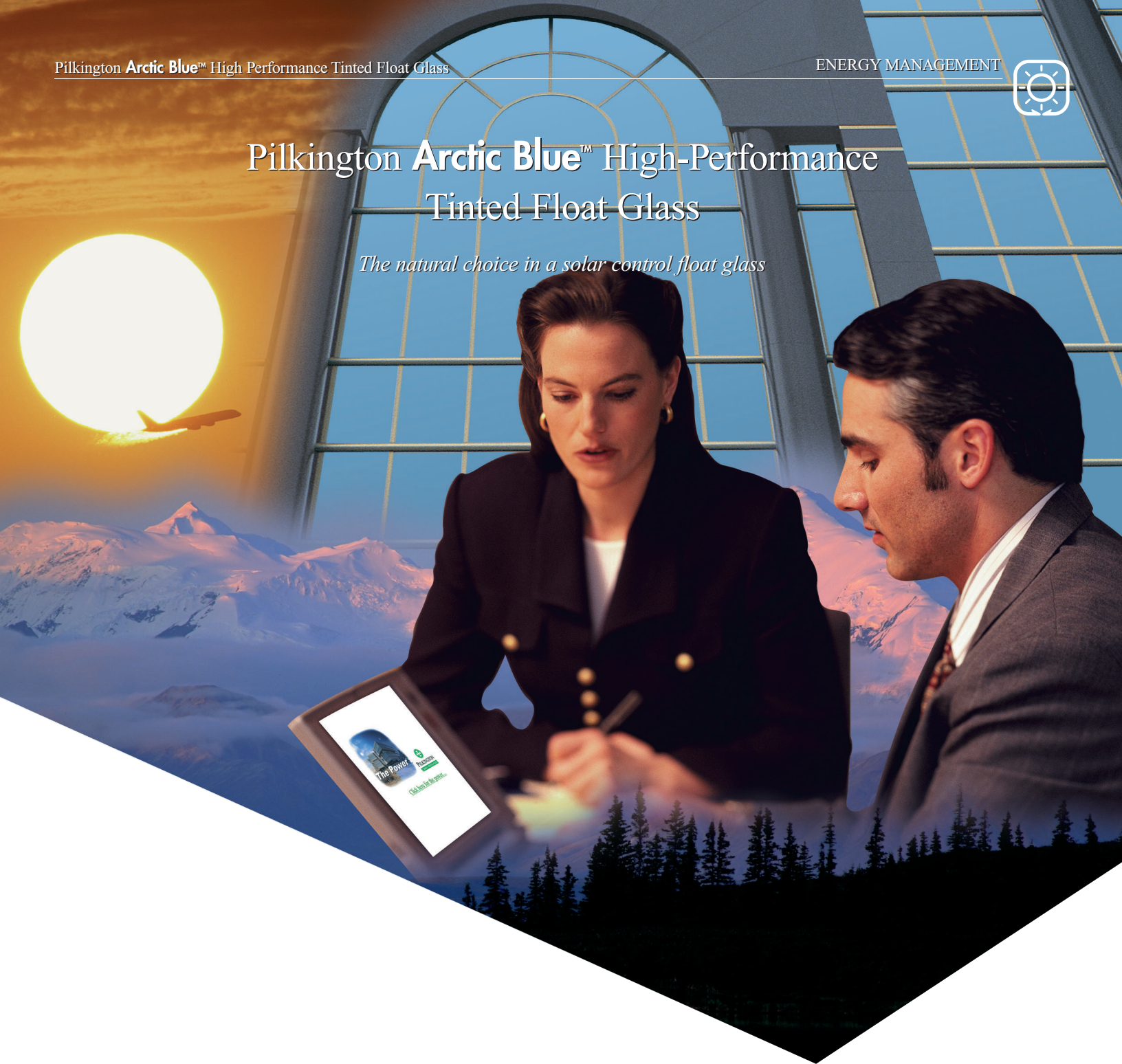




Pilkington Arctic Blue™ High-Performance Tinted Float Glass

The natural choice in a solar control float glass



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First in Glass

Pilkington **Arctic Blue**™ High-Performance Tinted Float Glass

The cool blue glass that creates a comfortable interior without sacrificing natural light.

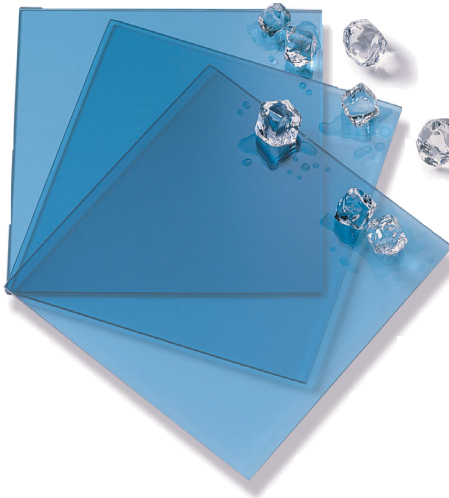
Richer than pale blue, softer than deep blue, Pilkington **Arctic Blue** Glass is a unique blue tinted float glass engineered for high daylight transmittance, good solar control and cool, comfortable color.

For optimal solar and thermal performance, combine **Arctic Blue** Glass with Pilkington **Energy Advantage**™ Low-E Glass in an I.G. unit. Together, this Pilkington **Sun Management**™ Glass System provides unsurpassed year-round comfort, with no color shift to the outboard lite. Visit us at www.pilkington.com/sunmanagement for more information.

Product Features

- **RICH BLUE COLOR** is cool and distinctive, offering unique aesthetics and innovative design opportunities.

- **EXCELLENT SOLAR CHARACTERISTICS** when compared to traditional tinted float glass, without sacrificing daylight transmittance.
- **HIGH VISIBILITY** means **Arctic Blue** Glass provides a crisp, undistorted, natural view from the interior.
- **LOW EXTERIOR REFLECTANCE** makes **Arctic Blue** Glass ideal for use where high reflectance is prohibited.
- **LOW UV TRANSMITTANCE** blocks most of the sun's damaging UV rays.
- **EASILY FABRICATED** into I.G. units.
- **EXCELLENT AVAILABILITY** for easy inventory and short lead times.
- **AVAILABLE IN 5/32" (4mm), 1/4" (6mm) and 3/8" (10mm) thicknesses.**



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Arctic Blue™ Glass, **Energy Advantage**™ Glass and the **Sun Management**™ Glass System are trademarks of Pilkington.

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Monolithic Glass Performance Data

| Product | Nominal Glass Thickness | | Visible Light | | Total Solar Energy | | UV | U-Value | | | | European U-Value (K-Value) | | Solar Heat Gain Coefficient | Shading Coefficient |
|--------------------|-------------------------|----|-----------------|---------------|--------------------|---------------|-----------------|---------|-----|--------|-----|----------------------------|-----|-----------------------------|---------------------|
| | in | mm | Transmittance % | Reflectance % | Transmittance % | Reflectance % | Transmittance % | Summer | | Winter | | Air | Arg | | |
| | | | | | | | | Air | Arg | Air | Arg | | | | |
| Arctic Blue | 5/32 | 4 | 64 | 6 | 45 | 5 | 31 | 1.1 | – | 1.1 | – | 5.8 | – | 0.59 | 0.69 |
| Arctic Blue | 1/4 | 6 | 56 | 6 | 35 | 5 | 23 | 1.1 | – | 1.1 | – | 5.8 | – | 0.52 | 0.60 |
| Arctic Blue | 3/8 | 10 | 40 | 5 | 21 | 5 | 13 | 1.1 | – | 1.1 | – | 5.8 | – | 0.42 | 0.49 |

Insulating Glass Performance Data [1" (25mm) Insulating units made of two 1/4" (6mm) lites and a 1/2" (12mm) airspace]

| | | | | | | | | | | | | | | | |
|--|-----|---|----|----|----|---|----|------|------|------|------|-----|-----|------|------|
| Arctic Blue /Clear inboard | 1/4 | 6 | 49 | 9 | 29 | 6 | 19 | 0.57 | 0.55 | 0.48 | 0.45 | 2.8 | 2.7 | 0.40 | 0.46 |
| Arctic Blue /Energy Advantage™ Low-E (#3) inboard | 1/4 | 6 | 46 | 10 | 25 | 7 | 15 | 0.37 | 0.32 | 0.33 | 0.28 | 1.8 | 1.5 | 0.35 | 0.40 |

Some combinations or installations may require heat treating to prevent glass breakage from thermal stress.

All performance values are center-of-glass values calculated by using the L.B.L. Window 4.1 program. To obtain metric U-value (W/sq-m/C), multiply by 5.678.

Solar Heat Gain Coefficient or SHGC is the fraction of normally incident solar heat energy that makes its way through the glazing under standard

summer conditions. This includes both directly transmitted energy and indirectly transferred heat from energy initially absorbed by the glazing. Shading Coefficient or SC is the ratio of solar heat gain through the glass relative to that through 3mm (1/8") clear glass at normal incidence.

Typical values of Pilkington production are provided.

Solar UV is from 300-380nm.