

Give Your Home  
the Gift of  
Free Energy



## Give Yourself the Gift of Free Energy Savings.

### Give Yourself a Present Every Time You Pay Your Utilities.

Pilkington **Energy Advantage™** Low-e Glass is the ideal choice for our northern climate. It combines the highest solar heat gain (free energy) with good insulating properties, which is why it produces the best year round energy savings.

Not all low-e's are the same - while most low-e glasses have similar performance from an insulating standpoint, they perform quite differently from a solar heat gain standpoint. Solar heat gain is quite simply the amount of free energy we can get from the sun.

### How it works...

Solar heat gain is free energy from the sun. It comes in through your window glass and provides free heat. Ordinary clear glass allows room heat to escape, eventually costing you money on your energy bills.

Pilkington **Energy Advantage™** Low-e is a high performance, energy-efficient glass made with a coating that is designed for top performance in our northern climate, which is why it can rate highest on the Canadian Energy Rating.

Pilkington's low-e glass allows the sun's energy to warm your home in the winter. In cold weather conditions, room heat flows out toward the cold. As a result, your furnace is working overtime - increasing your utility costs. The special low-e coating helps block that transfer of heat, ultimately saving you money.

### High Solar Heat Gain vs. Low Solar Heat Gain

High solar heat gain glass is designed for optimal performance in our northern or heating dominated climate because it allows free solar energy or heat to enter your home much like a solar collector.

Room heat is heat generated inside a building which is at or near room temperature. Normal clear glass wastes energy by allowing more of your room heat to escape in the winter.

Pilkington **Energy Advantage™** Low-e Glass is designed for optimal performance in our northern or heating dominated climate because it allows free solar energy, or free heat to enter your home and keep it inside.



Pilkington **Energy Advantage™** Low-e glass allows passive solar heat gain to warm your home. Decreasing energy costs.



Pilkington **Energy Advantage™** Low-e glass helps stop heat from escaping homes. Decreasing energy costs.

# The Sustainable Way to Energy Savings.

Let free solar energy start saving you money. Pilkington **Energy Advantage™** Low-e Glass provides an abundance of clean, free energy. Other benefits include:

### Built in Temperature Control.

Because Pilkington **Energy Advantage™** Low-e Glass helps keep the inside glass warmer, you can enjoy a more comfortable humidity level. This greatly reduces condensation and fogging on your windows, so you don't have to wipe off windows and sills, or worry about moisture damaging the interior of your home.

### Give Back to the Environment.

Pilkington **Energy Advantage™** Low-e Glass is environmentally friendly because it uses clean, abundant, free solar energy. With today's energy prices, the energy cost benefits range from 6% to 27% with low-e glazed windows compared to conventional windows.

### Increased Comfort.

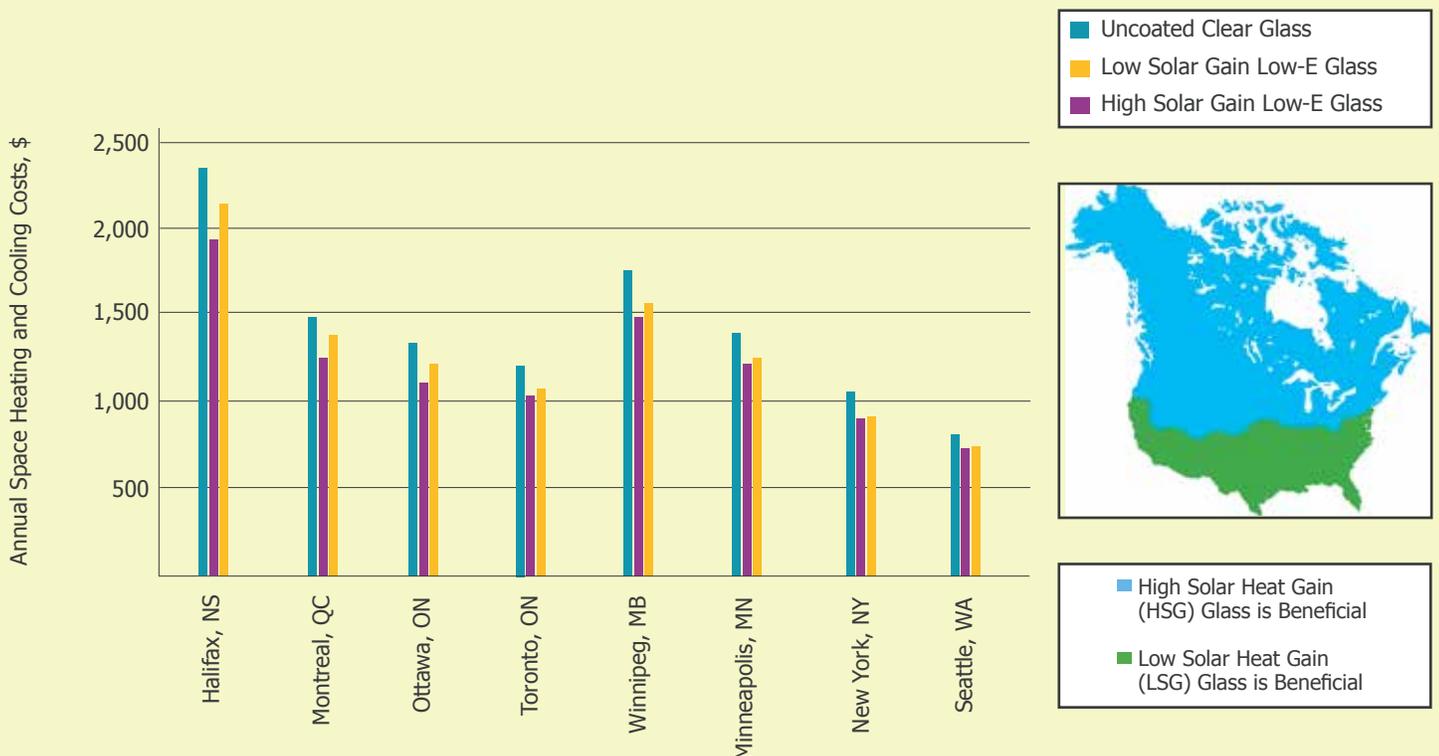
Pilkington **Energy Advantage™** Low-e Glass warms interior glass surfaces, so you don't need to bundle up inside or rearrange the furniture in the winter to avoid cold spots.

### Pilkington Low-e Field Test Houses

In 2006 the Canadian Center for Housing Technology (CCHT) National Research Council of Canada (NRC) in Ottawa, Ontario conducted a study to measure the energy impact of low-e glass types. The council studied two identical houses, except for the glass in the windows and patio doors. One house had Pilkington **Energy Advantage™** Low-e Glass, having "high solar heat gain," and the other had a "low solar heat gain" low-e glass. The study measured the heating and air conditioning consumption. It found that Pilkington **Energy Advantage™** Low-e Glass provides the best year round performance, which is why it can rate highest on the Canadian Energy Rating.



**Graph showing total annual heating and cooling costs computed for North American locations. (US locations in US \$, Canadian locations in Can \$)**



This publication provides only a general description of the product. Further, more detailed, information may be obtained from your local supplier of Pilkington products. It is the responsibility of the user to ensure that the use of this product is appropriate for any particular application and that such use complies with all relevant legislation, standards, codes of practice and other requirements. To the fullest extent permitted by applicable laws, Nippon Sheet Glass Co. Ltd. and its subsidiary companies disclaim all liability for any error in or omission from this publication and for all consequences of relying on it. Pilkington and "Energy Advantage" are trademarks owned by Nippon Sheet Glass Co. Ltd, or a subsidiary thereof.



**Pilkington North America**

811 Madison Ave Toledo, Ohio 43604-5684

buildingproducts.pna@nsg.com

800 221 0444 • Fax 419 247 4573

**[www.pilkington.com/na](http://www.pilkington.com/na)**