

Alliance for LOW-E



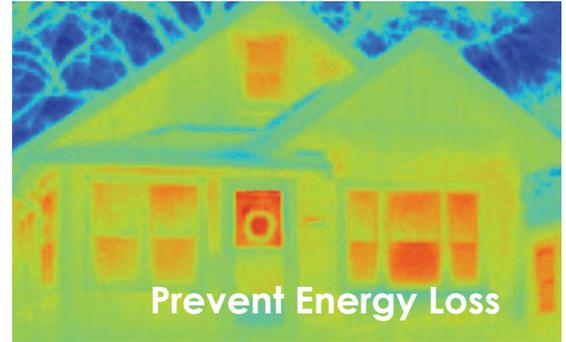
STORM WINDOWS

Energy Efficiency the Easy Way

Improve Energy Efficiency

Homeowners now have a cost effective alternative to total window replacement. Older and non-insulated **windows are a primary source of heat loss in the home.** Adding storm windows over existing windows reduces energy loss, to create a more energy-efficient and comfortable home.

- Warmer in winter: up to 27% energy savings per season*
- Cooler in summer: reduces solar heat gain



Reduce Air Infiltration and Energy Transfer

Storm windows seal out drafts and significantly reduce air infiltration. Once installed, storm windows protect the home with an extra layer of glass, creating a dead air space which helps block energy transfer in the summer and the winter.

Low-E Storm Windows and Installation Cost	\$1,738
Annual Energy Savings	\$490
Payback*	= 3.5 Years

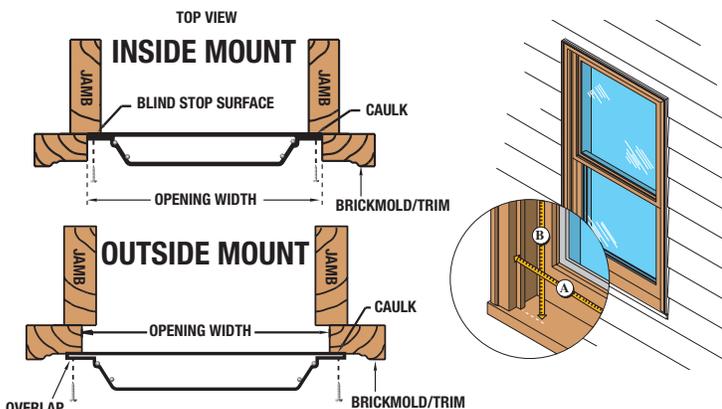
*Source: Lawrence Berkeley National Laboratory

Save Money and Improve Payback

Storm windows are a cost-effective alternative to replacement windows. They cost considerably less, are easy to install, and can provide just as much energy efficiency as total window replacement.

Easy To Measure

Determine your application and measure your existing window opening as shown below.



Provide these measurements to your local dealer.

Easy to Install



1. Caulk sides and top of window mounting surface.
2. Fasten window into opening with screws provided.
3. Adjust bottom expander.



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Why choose a Low-E Storm Window?

Replacement windows will continue to be a popular choice to improve energy efficiency, but Low-E storm windows will provide a low cost option for families who would not otherwise be able to afford the cost of replacement windows.

Storm windows using a low-emissivity (Low-E) coated glass represents a new application of existing technology which can have an immediate impact on energy efficiency.

Low-E glass incorporated into a storm window has the potential of achieving nearly equivalent window thermal performance as new windows at a much lower cost. For example, new windows may cost between \$100 and \$500 plus installation; a Low-E storm window is in the \$60 to \$110 cost range and is easier to install.*

In a recent study, clear glass storm windows reduced the heating load by 13% with a 10 year simple payback. Low-E storm windows also showed an additional improvement on top of the clear glass benefits amounting to 21% heating savings and an average payback of less than 5 years. With an estimated 43% of all residential windows being single pane glass, there is a tremendous opportunity to provide energy savings through the use of affordable storm and Low-E storm windows.*

* Source: S. Craig Drumheller – NAHB Research Center, Christian Kohler – Lawrence Berkeley National Laboratory, Stefanie Minen – Ullivate Technologies.

What is the Alliance for Low-E Storm Windows?

The Alliance for Low-E Storm Windows was formed to communicate the energy-saving benefits of storm windows with Low-E glass, especially in relation to the Weatherization Assistance Program.

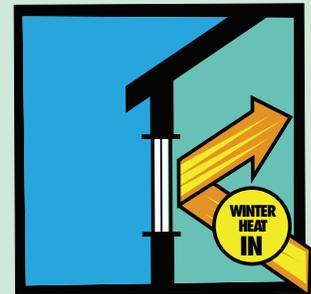


How Does Low-E Work?

Ordinary clear glass allows heat to pass through it. Since heat always flows towards cold, in winter, inside heat flows to the outdoors. And in summer, heat from the outside flows through the glass to the cooler interior.

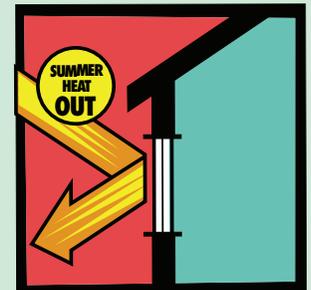
WINTER

Low-E glass is 2 ½ times better than ordinary clear glass at keeping heat inside in winter.



SUMMER

Low-E glass helps keep heat outside for a more comfortable inside.



www.Low-Estormwindows.com

AGC
Flat Glass North America

LARSON


PILKINGTON
NSG Group Flat Glass Business


QUANTA
TECHNOLOGIES, INC.