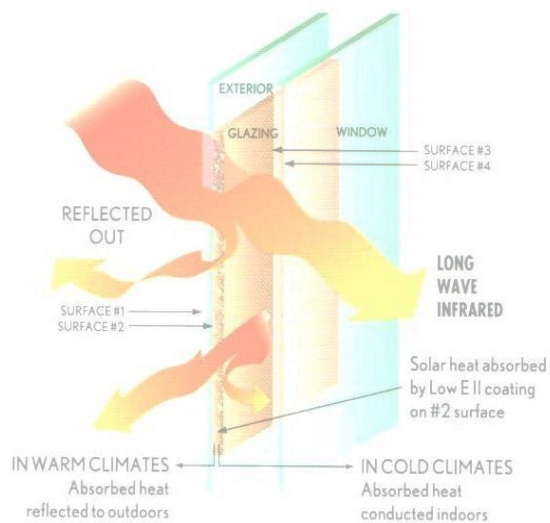


The benefits of Low E II Glass

Low E glass is glass that has an ultra thin metal coating on it that allows you to see through it and provides insulating value. Which means if there is a heat source inside your house (or outside), the glass bounces the heat from that object back away from the glass. So, in the winter months, if you have Low E glass in your home, much of the warmth (heat) given off by the furnace and all the objects which the furnace has heated, is bounced back into the room.

In the summer, the same thing happens but in reverse. The sun heats up (the air, sidewalks, driveways, next door neighbor's bricks, etc.) outside of your house. This heat radiates from those objects and tries

to get into your house. Of course, it tries to take the path of least resistance, that being the glass. With Low E glass much of this heat bounces off the glass and stays outside.



This makes windows with Low E II, like the Marvin Windows, a highly energy efficient window. The Marvin windows have an R value range of 3.03 – 4.3. The R value is a measurement of resistance to heat loss. The higher R value the better. For example, a Single Pane of glass has an R value of 0.85 and a Low E insulated glass has an R value of 4.35.

The U factor is the measure of heat loss from indoors to outdoors through the glazed area. The lower the number the more energy savings in cold climate. Marvin windows have a value range of .24

- .32. Houses tend to lose 25% of their heat through the windows. When purchasing windows, make sure you are getting the highest quality windows with Low E glass, it will save you money in the end.

Come visit our showroom and see the difference of Low E glass. Or visit our website at www.gladstoneswindow.com

