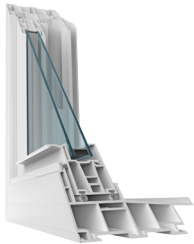




# Glass Options

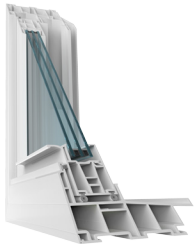
Learn how different coatings, panes and other enhancements affect the performance of your windows.



## DUAL-PANE GLASS

*"The New Standard"*

Dual-pane windows are an ingenuity which have become a standard within the industry. The two panes of glass are separated by a spacer to create an insulated gas unit (IGU). The IGU is filled with air or gas. This IGU works to insulate the home, translating to savings and greater value for the homeowner. At MI Windows and Doors, we are able to customize our dual-pane windows. Whether you desire argon gas enhancement, Low-E coatings, laminated glass or grids between the glass, we can design our dual-pane windows to your personal preference of style and performance.



## TRIPLE-PANE GLASS

*"Extreme Energy Efficiency"*

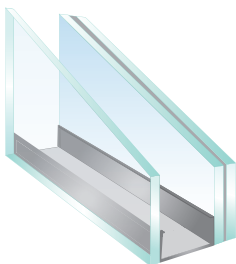
Triple-pane windows feature three layers of glass to create the ultimate IGU and further enhance the energy efficiency of a home. With two available surfaces for Low-E coatings, very little heat is transferred into or out of the home, keeping your family comfortable in even the coldest of winters and hottest of summers. Between the energy efficiency and the greater sound insulation, the triple-pane window is a reliable product that's well worth the investment.



## SPACER SYSTEMS

*"Efficiency Between the Panes"*

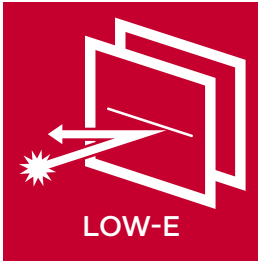
Warm-edge spacer systems provide ideal comfort regardless of climate: Whether you live in Allentown or Albuquerque, Tampa or Tacoma, a warm-edge spacer system is determined to keep you comfortable while enhancing the overall performance of the IGU. The spacer provides a moisture barrier between the panes of glass, which enhances energy efficiency and reduces the possibility of fogging. And by keeping the outside air out, the warm-edge spacer system is committed to saving you money.



## LAMINATED GLASS

*"All The Safety and Comfort You Deserve"*

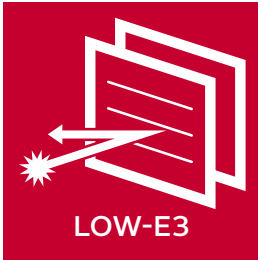
Laminated Glass is the Superman of the glass world: It can do a little bit of everything. Most importantly, laminated glass offers protection you can trust. Two pieces of glass are bonded to a PVB interlayer; when broken, the glass sticks to the interlayer, similar to how a car's windshield works. With laminated glass, you don't have to worry about furnishings and floors fading, as the glass blocks 99 percent of UV rays while also reducing outside noise by 50 percent.



### LOW-E

*“Low-Emissivity Window Coating”*

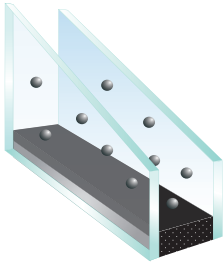
Low-E is a microscopic layer of metal that is applied to the inner surface of glass on dual-pane or triple-pane window units. The coating is almost invisible to the naked eye, but trust us, it's there and it's rendering an invaluable service. The coating provides protection from UV rays that can fade carpets, damage furniture, and even harm your skin and eyes. It also helps to reflect radiant heat from entering the home on a hot day and ensures warm air will stay inside the house on a cold day, offering you the breadth of protection year-round.



### LOW-E3

*“Three Layers of Protection”*

Call it the full-court press of window protection. Low-E3 glass employs three layers of Low-E on the glass surfaces of the window, ensuring maximum energy efficiency and minimum solar heat gain to the home. Low-E3 is a great option for meeting Energy Star requirements in all climate zones. Low-E3 glass allows more light through the window than traditional tinted glass, which helps maintain visibility while protecting the home.



### ARGON GAS ENHANCEMENT

*“Invisible Energy Efficiency”*

Argon is an invisible, nontoxic, and odorless gas that helps improve energy efficiency while acting as a shield against harmful UV rays. Available in dual-pane and triple-pane window units, argon gas minimizes the amount of heat transferred through a window, helps to improve sound transmission, and helps reduce the possibility of condensation and frost in all climates.



### IMPACT GLASS

*“Protection from the Elements”*

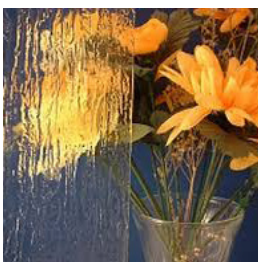
With extreme weather events seemingly becoming commonplace, impact glass is the latest ingenuity to protect against the elements. Having survived the strictest experiments that an AAMA-certified testing lab can dish out – including being struck at speeds in excess of 35 miles per hour – impact glass is committed to protecting you and your family during extreme weather events. Featuring laminated glass panes, impact glass reduces the possibility that a home's windows will be breached.



### OBSCURE GLASS

*“Light and Privacy”*

Whether you're interested in decoration, light diffusion, or privacy, obscure glass has you covered. Made with the utmost care and featuring a plethora of designs, obscure glass is achieved when a pattern is pressed into the glass during production. Perfect for a first-floor bathroom or a front-door side lite, obscure glass works to allow natural light into a space while still protecting you and your family's privacy. It can also help to diffuse glare in a direct sunlight setting. Obscure glass availability varies by region.



### RAIN GLASS

*“Light and Privacy”*

A type of obscure glass, rain glass is also used for decoration, light diffusion, or privacy. Made using the same process as obscure glass, rain glass takes its name from the design, which gives the appearance of rain falling on glass. Rain glass availability varies by region.