



The TM Windows Difference

There are some basic window and door components that any potential buyer should be aware of when evaluating products. These include the window frame, glass, seals and weather stripping.

What determines impact window and door performance?

Frame Rigidity

All windows bow and flex in high winds storms. The frame plays the main role in providing rigidity. The structural strength is directly related to the design and materials used in manufacturing the window and door. With windows and doors, thicker is always better.

| | |
|----------------------------------|---------------------------------|
| <i>Lowest Protection</i> | Wood |
| <i>Mid Range Protection</i> | Vinyl with steel reinforcements |
| <i>Best Available Protection</i> | Aluminum |

Frame Thickness

Florida's Best brand uses ¼ inch aluminum in all load bearing areas. Our competitors use .62 or 1/16 inch aluminum

Frame Depth

All FB frame sills are at least 3 inches high. This extra height (most competitors are 2" to 2.5") is very important when there are high winds. Water collect at the base of all windows and travels up the window sill when winds are high and steady. The extra sill height means water is less likely to reach the top of sill. This is where water could penetrate over the sill and into your residence.

Glass

Annealed: A basic glass commonly used in window and door manufacturing

Heat Strengthened / Tempered Glass: This is a process when annealed glass is heated to improve its strength properties. Heat treated glass is 2 times stronger than annealed glass and tempered glass is 4 times as strong.

Laminated Glass: Used in all impact TM brand windows and doors. Laminated glass is made by taking two pieces of annealed glass and structural bonding a special plastic resin in between them. The strength properties obtained are dramatic.

Lamination: TM Windows LLC uses two different lamination materials that offer different performance characteristics. The type of laminated glass you may need is determined by the design pressure requirements for your home (you can contact any TM dealer to help you determine your design pressure requirements). In general, design pressure is determined by your location and opening sizes.

The two lamination materials TM Windows uses are:

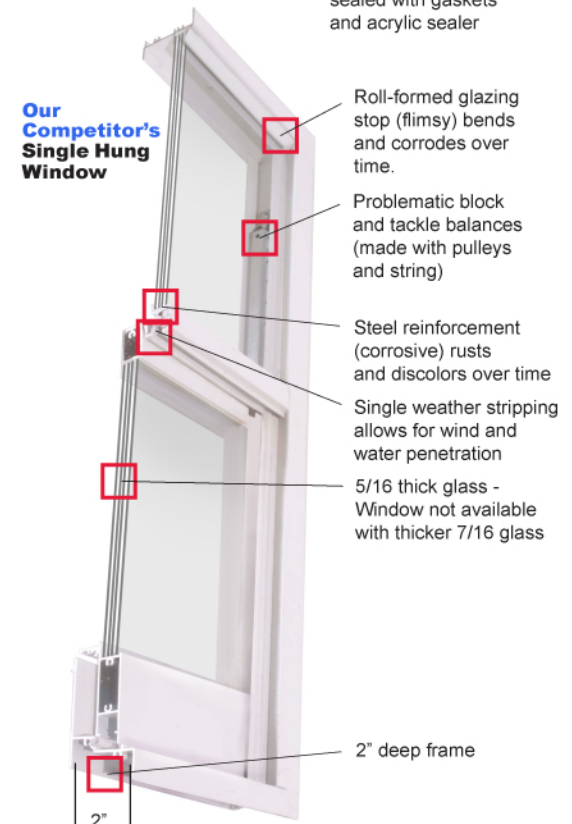
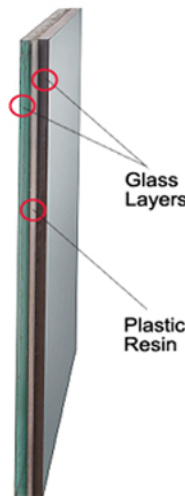
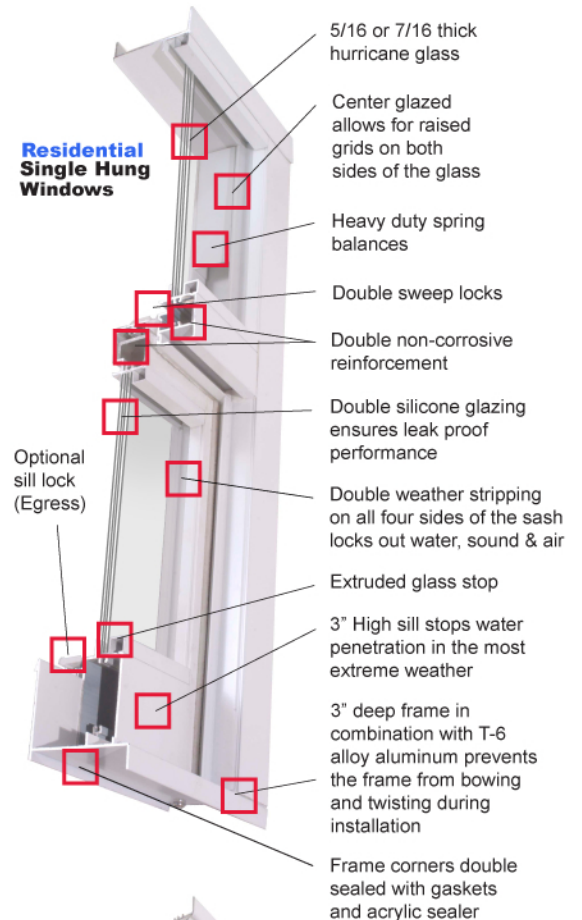
PVB (Solutia's brand - Polyvinyl Butyral resin) which is recommended for homes with up to 90 pound pressure ratings.
SGP (Sentry Glass Plus brand - inoplast). This lamination resin provides a stronger barrier and is recommended when design pressures rating exceed 90 pounds.

Optical Quality

It's not the same for annealed, heat strengthened and tempered glass. Optical quality refers to the clarity of the glass. Annealed glass provides the best optical quality followed by heat strengthened and then tempered glass.

Weather Stripping

Weather stripping is used to create a seal between the moveable parts of the window and door. Many companies cut corners, but TM Windows LLC only use top quality materials and manufacturers windows with double sided weather stripping. Having weather stripping on both sides provide an extra barrier of protection. Utilizing top quality weather stripping also help ensure the improved opening and closing.





Window Hardware

Hardware includes all the pieces used to lock, open and close the window and door. The materials used will have a dramatic impact on the customers satisfaction with the product. This is why TM Windows LLC only uses top quality materials. See for yourself. Most people will readily agree stainless steel will hold up better in Florida's climate. That is why TM uses it for all hardware items. With our windows, we use a contained spring system for opening windows which is superior to string and pulley systems found in most of our competitor's products.

Hardware Comparison

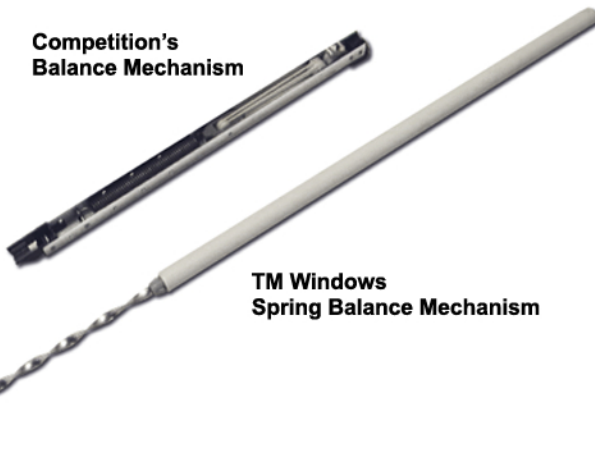
TM Windows Sliding Door Lock & Handle



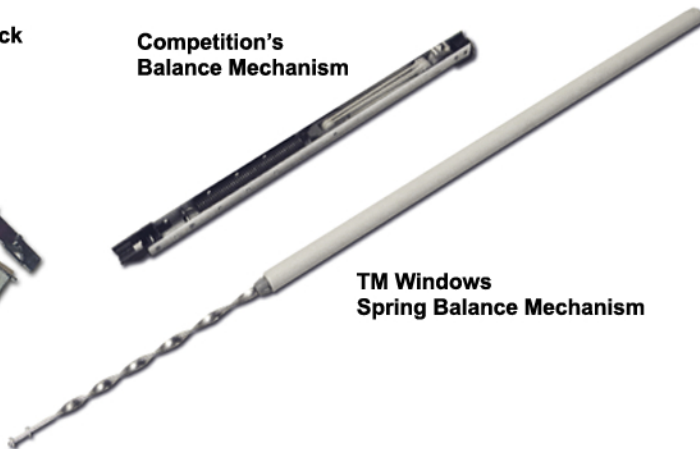
Competition's Sliding Door Lock & Handle



Competition's Balance Mechanism



TM Windows Spring Balance Mechanism



Competition's Sliding Door Wheels



TM Windows Sliding Door Wheel

