

WINDOW EXPERT'S MOST VALUABLE PARTS OF VINYL WINDOWS



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Many people do not have a clue what to look for in a vinyl window.

Replacement window companies can show you various styles and types of windows, but if you don't know what the difference is between them, you may be spending money needlessly.

I have created a list of the most important components that I feel make the best and most energy efficient vinyl replacement window.

MOST VALUABLE PARTS OF VINYL WINDOWS



1-MAINFRAME

2-MILL THICKNESS

**3-COMBINATION STEPPED/SLOPED SILL
POCKET**

4-SECURE LOCK MEETING RAILS

5-BEST INSULATING GLASS

6-DOUBLE STRENGTH GLASS

7-INSULATING GLASS SEAL

8-NFRC RATED

9-VIRGIN VINYL



1-The **MAINFRAME - 10 Insulating chambers.**

The best vinyl windows will have 10 insulating chambers, making the frames 3 times stronger, longer lasting, with greater insulation and noise reduction qualities. Cheap vinyl replacement windows have 3 to 4 insulating chambers.

2-**VINYL WINDOW MILL THICKNESS -**

A thicker wall decreases the possibility of cracking, which can lead to air and water infiltration. In addition, a thicker walled window is more resistant to distortion, twisting and impact.

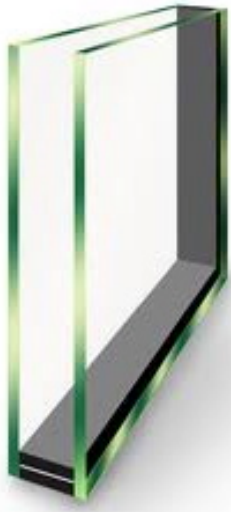
3-**COMBINATION STEPPED/SLOPED SILL POCKET**

The step is a pocket in the head of the master frame and sill that the top and bottom sashes slide into like a pocket door. It reduces air infiltration while the sloped sill allows water to runoff away from the house; Stepped/Sloped sill pockets have a structural grade rating of 60.



4-SECURE LOCK MEETING RAILS-

Fully interlocking meeting rails, combined with 2 full rows of superior mylar fin weatherstripping seals out the elements and adds a level of security.



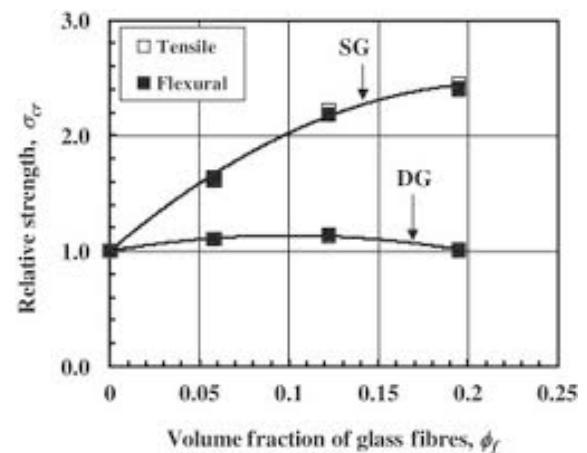
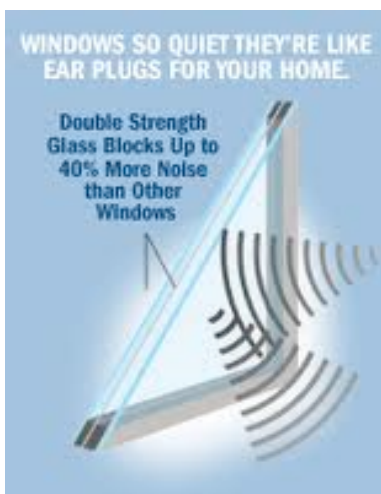
5-THE BEST INSULATING GLASS-

The industry standard is 5/8" and 3/4" overall insulated glass thickness. The most ideal for energy efficiency is 7/8" overall.

Any wider than 7/8" the glass loses insulating value through convection.

6-DOUBLE STRENGTH GLASS-

Double strength glass is thicker than the standard single strength glass providing better protection from the elements, minimize cracking of the glass, and less flexing with temperature fluctuations that can cause seal failure.



7-INSULATING GLASS SEAL-

The best vinyl windows use a superior warm edge spacer made of thermo plastic polymers that contain no metal, conducts the least amount of heat and cold, flexes with the glass as it heats and cools, never loses it's shape and retains the argon gas longer than any other warm edge spacer/seal.



National Fenestration
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8-N.F.R.C.

The best vinyl window manufacturers have they're windows tested quarterly by the National Fenestration Rating Council. Top quality vinyl replacement windows should be .25 to .30 U factor.

9-VIRGIN VINYL-

The best replacement vinyl windows are made with the finest uPVC and contain NO recycled material. Recycled vinyl will have impurities, inconsistent mill thickness, weaker corner welds, and will discolor. The best vinyl extruders will use virgin vinyl with additives such as stabilizers, stiffeners, and UV inhibitors.



Dennis McHugh is a business owner and sales manager in the window, patio door and entry door replacement and repair business for 20 years. His experience and expertise is valued by the many referrals from industry professionals and repeat clients that he continues to serve proudly. He is known for his honesty, integrity and dependability.

He is highly versed in Andersen windows and doors, Pella and Marvin. His company built the Renewal by Andersen franchise in St. Louis, Missouri in 2000. Dennis was the first to be inducted into the Million Dollar Sales Club in 2001.



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