

AIRKO

WINDOW SPECIFICATIONS



**A face lift
for your home**

Siding

Windows

Doors

Patios

Vinyl Decking

Commercial

Residential

Window Specifications

Energy Smart High-Performance Glass by PPG Glass Technology Since 1883.

Here's what you'll find in all energySMART insulated glass units:

- At least 2 panes of glass
- Patented treated steel U-shaped intercept spacer
- Low -E "stacked" (multiple layer coating) high performance glass
- Argon or krypton gas filling (optional)
- Sealant (bonds glass to spacer)
- Desiccant (removes moisture from atmosphere between panes)

EnergySMART IG units feature a new technology called "warm-edge" technology. Using a three-sided U-shaped, treated-steel spacer for better overall window performance.

All windows are energySMART Supreme with Clear glass, Low-E stacked and Argon Gas filled.

- U-Factor .25
- Solar Heat Gain .48
- Visible Light Transmission .72
- UV .16
- R-Value 4.00

Definitions:

U-Factor: measures how well a product prevents heat from escaping a home or building. The lower the U-factor, the better a product is keeping heat in.

Solar Heat Gain Coefficient (SHGC): measures how well a product blocks heat from the sun. The lower the SHGC, the better a product is at blocking unwanted heat gain.

Visible Transmission (VT): measures how much light comes through a product. The higher the VT, the higher the potential for day lighting.

UV : a measurement showing how much of the harmful "fading" UV rays of the sun is blocked out.

R-Value : The commonly used measurement which determines the resistance of a material to heat flow. The higher the R-Value, the better it performs.

Also available --- Sun Clean --- Self – Cleaning Glass by PPG.

How does it work ? While the windows with SunClean self-cleaning glass look slightly brighter from the outside, they look like ordinary windows from the inside. But looks can be deceiving : SunClean self-cleaning glass has a durable, transparent coating that's bonded to the outer surface of the glass during the glass manufacturing process. The coating utilizes two natural resources – the sun's ultraviolet rays and water – to slowly decompose and loosen organic dirt and then rinse it away.

Features for the ULTRAWELD window by Polaris Technologies :This is the American "traditional" window as designed by Polaris. Tough Polaris vinyl and "ultrawelded" corners provide the strength. Polaris energySMART glass and triple weatherstripping provide the comfort and energy savings. The Double-Hung window, both the top and bottom sash tilt inside completely which helps to make cleaning a lot easier.

Features also include

- **Sash Limit Locks – which allows for secure partial ventilation.**
- **Heavy Duty Sash Locks – for added security**
- **Recessed Tilt Latches - allows sash to tilt in for easy cleaning**
- **¾ True-Position Balance System – ensures easy operation and never slips**
- **Over and Under interlock – prevents air infiltration**
- **EnergySMART Glass – for ultimate thermal performance**
- **Welded Corners – for superior strength and performance**
- **Optional Foam-Filled Main Frame – adds strength and insulating performance**

UltraWeld products NEVER need painting. They are color through and through. The vinyl profiles are carefully formed through a special extrusion process. The extruded pieces are cut to size, then Polaris engineers "ultraweld" the corners. Four pieces of thick, strong vinyl become one. Skilled polaris craftsmen meticulously assemble the product using computer integrated, high-tech equipment. All Polaris products are custom-made to the exact specifications of your order. UltraWeld vinyl windows and working parts are covered by a lifetime limited warranty that is transferable. It's the finest warranty in the industry.



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