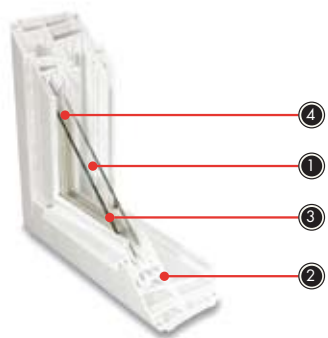


## Energy Right Sash Technology

It has now become easier to achieve the right balance of comfort, performance and aesthetics in your home with Farley windows. Our Third Generation Energy Right Sash Technology is a unique engineered combination of **Sol-R® Glass coatings, Warm-Edge Spacer Technology, Double Strength Glass, Edge Deletion** and state of the art **Frame Profiles**.

## EFFICIENCY Features



- 1 Sol-R® Shield 272, Sol-R® Shield Plus 366 or standard Sol-R® Gain 179
- 2 Triple fin weather seals
- 3 3/4" double strength glass
- 4 Warm Edge Intercept® spacer system
  - Edge deletion

## Frame Profile

- Triple weather seals results in maximum protection against air infiltration
- Windshield style frame to glass glazing – impervious to water infiltration
- Metal reinforced lock rail to withstand wind loads
- Metal reinforced hardware installation to prevent hardware release.
- Integrated pull rails and Interlocks – eliminates unsightly lines and material separation

## Double Strength Glass

All Farley windows come standard with double strength glass that is 33% stronger to significantly reduce the effects of wind, barometric pressure and thermal deflection. What's more, it helps keep the sound of traffic, lawn mowers and other outside noises from bothering you at home. Double strength glass comes standard and our Farley for Life Warranty™ covers accidental glass breakage for life.

## Edge Deletion

What makes Sol-R® even more effective is the "Edge Deletion" process, which clears away the LoE film coating on the edge of the glass during manufacturing for a perfect seal to the Warm Edge Spacer. Its one more way Farley is taking the extra steps to ensure our windows maintain their integrity for life.

## Warm Edge Spacer System

- The most durable warm edge spacer system – utilized in 50% of homes in North America
- Structural design that is able to withstand high wind loads
- Dual barrier seal- impervious to moisture intrusion – prevents seal failures
- Ultimate argon retention
- Ultimate thermal performance
- Unique design allowing for extreme thermo cycling (see graphic)



## Enjoy The View for Life

The Farley for Life Warranty™ covers all components, including insulated glass, frames, sash and hardware. Our unique warranty is fully transferable with no additional paperwork and no additional charge. And, all Farley window and door products meet the highest ENERGY STAR® standards for efficiency.



ENJOY THE PERFORMANCE



Please visit [www.farleywindows.com](http://www.farleywindows.com)

# GLASS



## Choosing the Right Glass

Since 75% of your window is made up of glass it's important you choose a glass option that delivers the right balance of comfort and performance for your home. Any of our Sol-R® Glass options will help you save money on heating and cooling costs while achieving the right level of comfort. Choose from our three low-emissivity (LoE) glass options.

Sol-R® Gain 179 is standard on all our windows. It is designed for optimal solar heat gain and energy efficiency and is ideal for climates with a longer heating season. Our Sol-R Shield® 272 is the clearest shield in the market delivering a high level of thermal insulation and comfort while allowing a high level of light transmission into your home. Our Sol-R® Shield Plus 366 raises the bar again with three layers of silver coating; it truly offers the highest level of comfort and insulation year round.



### Sol-R® Gain 179

- Good insulation performance
- Maximum solar gain
- Highest ENERGY STAR® ER rating
- Blocks 76% of damaging UV rays



- **Lowest total energy cost**



### Sol-R® Shield 272

- Better insulation performance
- Moderate solar control
- Excellent light transmittance provides clearest solar control available
- Blocks 84% of damaging UV rays



- **Balance between energy savings and comfort**



### Sol-R® Shield Plus 366

- Best insulation performance
- Excellent solar control
- Best UV and fading protection
- Blocks 95% of damaging UV rays



- **Highest level of comfort year round**

## Glass Comparison Chart

Product	Solar Heat Gain	Insulating Performance (Comfort)	UV Protection (fading)
Sol-R® Gain 179	<b>Best</b>	<b>Good</b>	<b>Good</b>
Sol-R® Shield 272	<b>Better</b>	<b>Better</b>	<b>Better</b>
Sol-R® Shield Plus 366	<b>Good</b>	<b>Best</b>	<b>Best</b>

## Sol-R® Glass Energy Performance Data (glass unit)

Product	Layers of LoE Coatings	Winter U-value (Argon)	Winter R-value (Argon)	Solar Heat Gain Coefficient	Fading Comparison UV Transmission	Visible Light Transmittance
Double-Pane, Clear	0	.48	2.08	.76	58%	81%
Sol-R® Gain 179	1	.28	3.57	.70	24%	79%
Sol-R® Shield 272	2	.25	4	.41	16%	72%
Sol-R® Shield Plus 366	3	.24	4.17	.27	5%	66%

**Winter U-value-** The lower the U-value, the better the glass is for blocking heat transfer from a warm area to a cold area

**Winter R-value-** The higher the R-value, the better the glass for resistance to heat transfer

**Solar Heat Gain Coefficient-** The higher the value, the better the glass is for taking advantage of free solar energy

**UV Transmission-** The lower the value, the better the glass is at blocking damaging UV rays and reduce fading potential

**Visible Light-** The higher the number, the more visible light will enter your home

## What is Energy Rating?

Traditionally the lower the U-value, the better the insulating ability. However, only considering U-value will not measure the true energy performance of a window. Energy Rating (ER) is a single measure that has recently been developed by Natural Resources Canada through the ENERGY STAR® Program. It measures the overall energy performance of a window. The value of the ER is based on three key performance points: U-value, Solar Heat Gain Coefficient and Air Tightness. It's simple, a higher ER means lower total energy costs, whether you're heating in the winter or cooling in the summer. All Energy Ratings are evaluated the same way which makes it easy for you to compare models between manufacturers. As ER is specific to a window unit and style, please visit [www.farleywindows.com](http://www.farleywindows.com) for specific ER ratings.

## Farley and Cardinal Glass

Cardinal has been a leader in the industry for over 40 years. They employ a state-of-the-art sputter coating process that is unmatched by any other glass manufacturer. The glass is coated with microscopically thin, optically transparent layers of silver sandwiched between layers of anti-reflective metal oxide coatings. A protective coating is applied to assure durability and long life.



Enjoy The View™

