



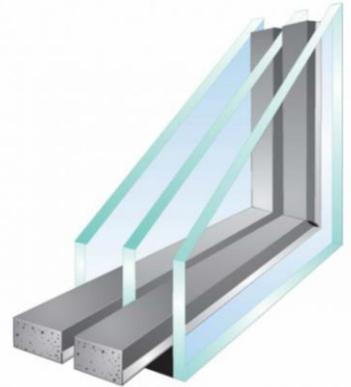
STAGE
WINDOWS & DOORS



NAFS 11



ULTRA-R9 *Performance*



WINDOWS HIT THE CANADIAN MARKET **The NEW Stage Ultra Plus R9 IG units insulate almost as well as some walls.**

A new Ultra Plus-R9 window from Stage Windows High Performance Products achieves an R value previously unheard of in the Canadian market.

The **Prima Series Ultra Plus-R9** triple glazed window insulates nearly as well as some walls.

Following certification by the National Fenestration Rating Council (NFRC), the company's Prima Series R-9 triple glazing system design was verified to deliver a 0.11 U-Factor (Btu/h/ft² - °F) which equates to an R9 insulating factor.

Achieving **R9 performance**, which is equivalent to an **NFRC U-factor of 0.11 (Btu/h/ft² - °F)**, represents a major accomplishment and is a result of R&D efforts conducted with Canadian Technical resources, Guardian Glass Industries and Stage Windows team.

The **Prima Series Ultra Plus-R9** triple glazed window, was designed using different Low-e coatings and technologies to optimize the energy conservation and reduce losses in both winter and summer extreme weather conditions. In addition to the low-e features, the Ultra Plus glazing system is filled with Argon Gas with silicon expanded foam Super Spacer. To top it off the sealing process utilizes a German high performing Hot Melt with extremely high gas retention rate.



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GLASS PERFORMANCE CHART

GLAZING TYPE	DESCRIPTION	U-Value (Btu/h/ft ² - °F)	R-Value	Solar Heat Gain	Visible Light Transmittance
CLEAR DOUBLE	CLEAR / CLEAR	0.48	2.08	0.76	81%
LOW-E DOUBLE	CLEAR / LOW-E	0.27	3.70	0.71	80%
TRIPLE WITH LOW-E	CLEAR/ LOW-E / CLEAR	0.23	4.35	0.64	73%
ULTRA PLUS R9	LOW-E COMBO	0.11	9.00	0.22	50%

Standard configurations: 3.0mm clear glass, 90% Argon/10% Air filled. Performance data calculated for center-of-glass only (no spacer or framing) using LBNL Window 7.6, IGDB 71.

The above Glass Performance Chart provides an idea of the performance level of a Stage Ultra Plus R9 system compared to more traditional and high performing systems in the industry. THE ULTRA PLUS R9 provides more than 80% higher R-value of a typical triple glazing system.

The best fenestration systems are designed as a combination of frame, hardware and glazing systems. The Stage windows Prima series is a perfect example of this approach featuring a synergetic system with the best features in every single aspect.

Stage Windows and Doors continues to challenge the status quo of the industry to bring a tangible contribution to reduce energy loss impact while improving comfort and quality.

U Value: the total heat transfer out of a window (Btu/hr-sq ft-F). The lower the number the better the glass.

R-Value: the amount of heat retained by the window. The higher the number the better the glass.

Solar Heat Gain Coefficient: the amount of solar radiation which enters the house through radiation. This is expressed as a dimensionless number between 0 and 1. It represents the heat gain through 3mm clear glass.

Visible Light Transmittance: measures how much of the visible light is entering the building through the glass