

SOLARZONE INSULATED GLASS PACKAGES

Choose one of our SolarZone Insulated Glass Packages to enhance the year-round comfort of your home while maximizing energy savings.

SolarZone Insulated Glass Packages.

The optional SolarZone Insulated Glass Package combines multi-layered, vacuum deposition Low-E glass with argon gas and a warm-edge spacer system. These insulated glass packages have been proven far more effective than ordinary clear glass units. As a means to quantify window performance, the National Fenestration Rating Council (NFRC), in conjunction with the U.S. Department of Energy, has developed a rating system for window products.

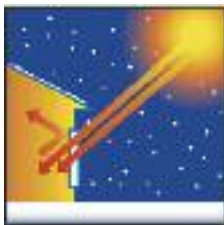
One of the most critical NFRC tests is for the window's U-Value, which measures its resistance to heat transfer. The lower the U-Value, the better the window is at resisting heat flow, which results in a greater insulating value.

Another critical NFRC test measures a window's Solar Heat Gain Coefficient (SHGC). This procedure measures how well a window blocks heat caused by sunlight. Again, the lower the number, the less of the sun's solar heat the window allows into the home.

A quick comparison will show that your choice of an optional SolarZone Insulated Glass Package will outperform clear or lesser Low-E glass packages, leading to increased energy savings.



Low-E glass filters long-wave radiation from the sun. This reduces heat gain in the summer, keeping your home cooler.



Low-E takes on a new duty in winter months. It lets warm solar rays into your home while blocking the heat in your home from getting out.



Optional carbonized foam liners (iE) in select mainframe and sash channels can help increase year-round thermal protection.

Window World Glass Performance Comparison¹

	4000		6000	
	U-Factor	SHGC	U-Factor	SHGC
Clear	.46	.59	.44	.54
SolarZone	.29	.30	.29	.28
SolarZone iE	.28	.30	–	–
SolarZone ThermD	.28	.30	.28	.28
SolarZone Plus	.28	.30	.28	.28
SolarZone ThermD iE	.27	.30	–	–
SolarZone Elite	.28	.21	.28	.20
SolarZone ThermD Elite	.27	.21	.28	.20
SolarZone Plus Elite	.27	.21	.27	.20
SolarZone TG2	–	–	.23	.25
SolarZone TG2 ThermD	–	–	.22	.25
SolarZone TG2 Elite	–	–	.23	.18

¹Whole window values are based on double-strength glass.

Clear: Double-paned clear glass unit.

SolarZone: Double-paned unit with one pane of Low-E glass, argon gas and metal alloy Intercept spacer.

SolarZone iE: Double-paned unit with one pane of Low-E glass, argon gas and metal alloy Intercept spacer, along with insulation-enhanced mainframe.

SolarZone ThermD: Double-paned unit with one pane of Low-E glass, argon gas and stainless steel Intercept spacer.

SolarZone Plus: Double-paned unit with one pane of Low-E glass, argon gas and foam spacer.

SolarZone ThermD iE: Double-paned unit with one pane of Low-E glass, argon gas and stainless steel Intercept spacer, along with insulation-enhanced mainframe.

SolarZone Elite: Double-paned unit with one pane of Low-E SHGC glass, argon gas and metal alloy Intercept spacer.

SolarZone ThermD Elite: Double-paned unit with one pane of Low-E SHGC glass, argon gas and stainless steel Intercept spacer.

SolarZone Plus Elite: Double-paned unit with one pane of Low-E SHGC glass, argon gas and foam spacer.

SolarZone TG2: Triple-paned unit with two panes of Low-E glass, two air spaces of argon gas and Intercept spacer.

SolarZone TG2 ThermD: Triple-paned unit with two panes of Low-E glass, two air spaces of argon gas and stainless steel Intercept spacer.

SolarZone TG2 Elite: Triple-paned unit with one pane of Low-E SHGC glass, one pane of Low-E glass, two air spaces of argon gas and Intercept spacer.



North Wilkesboro, NC 28659
1-800 NEXT WINDOW | 1-800-639-8946
www.WindowWorld.com



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