

CHOOSING ENERGY STAR® CERTIFIED PRODUCTS



The U.S. Department of Energy and the Environmental Protection Agency developed the ENERGY STAR designation for products meeting stringent energy performance criteria — helping us all conserve fossil fuel consumption and protect the environment by choosing energy-efficient products.

The ENERGY STAR label certifies the products are a positive choice for energy efficiency, fuel savings and the environment, and helps consumers further save on energy costs without sacrificing performance, features and comfort.

GLASS PACKAGE (IG)	DOUBLE-HUNG		SLIDING		ENERGY STAR®- CERTIFIED REGIONS
	U-Factor	SHGC	U-Factor	SHGC	
DOUBLE-PANE OPTIONS*					
BarrierXP Plus Lite	0.32	0.28	0.31	0.28	
BarrierXP Plus Elite Lite	0.31	0.21	0.31	0.21	S
BarrierXP Plus S3	0.28	0.35	0.27	0.35	
BarrierXP Plus	0.28	0.28	0.27	0.28	
BarrierXP Plus Elite	0.28	0.21	0.27	0.21	SC S
BarrierXP Elite Extreme Plus	0.28	0.14	0.27	0.14	SC S
BarrierXP 2 Plus	0.28	0.26	0.27	0.26	
BarrierXP 2 Plus Elite	0.27	0.20	0.27	0.20	SC S
BarrierXP Quattro Plus	0.25	0.47	0.24	0.47	N
BarrierXP SF Plus	0.24	0.27	0.24	0.27	NC
BarrierXP SF Elite Plus	0.24	0.20	0.23	0.20	NC SC S

TRIPLE-PANE OPTIONS**

BarrierXP TG2 Plus	0.21	0.24	0.20	0.24	N NC
BarrierXP TG2 Plus Elite	0.21	0.19	0.20	0.19	N NC SC S
BarrierXP TG2 Elite Extreme Plus	0.21	0.12	0.20	0.12	NC SC S
BarrierXP PriME TG2 Plus S6	0.19	0.22	0.19	0.22	N NC SC S
BarrierXP TK2 Plus	0.18	0.24	0.17	0.24	N NC
BarrierXP TK2 Plus Elite	0.17	0.19	0.17	0.19	N NC SC S
BarrierXP TK2 Elite Extreme Plus	0.18	0.12	0.17	0.12	NC SC S
BarrierXP PriME TK2 Plus S6	0.17	0.22	0.16	0.22	N NC SC S

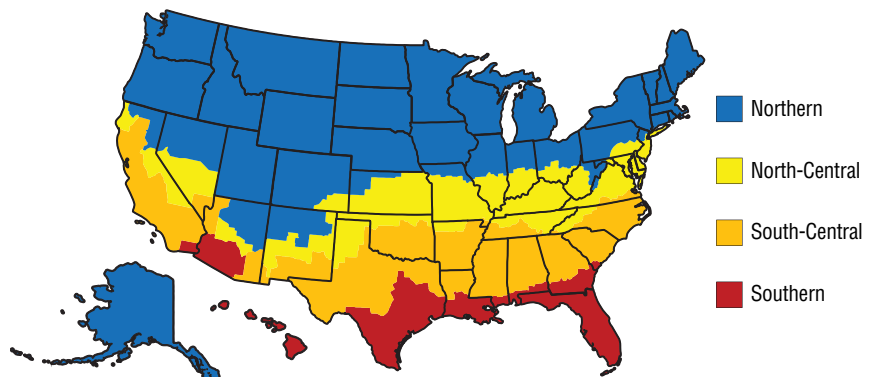
*Double-Hung=3001 ES; Slider=3002 ES (Double strength, composite reinforcement, no grids, Super Spacer®).

**Double-Hung=3001 ES; Slider=3002 ES (Single strength, composite reinforcement, no grids, Super Spacer®).

CLIMATE ZONE	U-FACTOR	SHGC††
Northern†	≤ 0.22	≥ 0.17
North-Central	≤ 0.25	≤ 0.40
South-Central	≤ 0.28	≤ 0.23
Southern	≤ 0.32	≤ 0.23

†Or equivalent energy performance (U=0.23–0.24 with SHGC ≥ 0.35; U=0.25–0.26 with SHGC ≥ 0.40).

Note: Air Leakage ≤ 0.3 cfm/ft² also required for full ENERGY STAR certification. U-Factor in Btu/h·ft²·°F; ††SHGC = Solar Heat Gain Coefficient. Source: ENERGY STAR criteria per uploaded reference.



ENERGY SAVINGS, INDOOR COMFORT

Low-E Glass Makes the Difference!

BarrierXP® glass technology improves the energy efficiency of windows in every climate.¹ In winter months, it lets in solar heat and reflects the warmth back into your home to help reduce heating costs. In summer, BarrierXP repels heat and glare while filtering out ultraviolet rays to help decrease your air-conditioning use.²

- BarrierXP features multilayer Low-E (low-emissivity) glass, argon or krypton gas³ and the Quanex® Super Spacer® structural foam spacer system for superior thermal performance.
- Argon and krypton are odorless, colorless, nonflammable, safe inert gases that are heavier than air.
- Argon and krypton's greater density reduces the heat exchange through the window for increased energy efficiency.

DOUBLE-PANE OPTIONS:

BarrierXP Plus Lite⁴

Double-pane unit with one surface of Low-E glass, air and Super Spacer® structural foam spacer.

BarrierXP Plus Elite Lite⁴

Double-pane unit with one surface of Low-E SHGC glass, air and Super Spacer® structural foam spacer.

BarrierXP Plus S3

Double-pane unit with one surface of Low-E glass (on surface 3), argon gas and Super Spacer® structural foam spacer.

BarrierXP Plus

Double-pane unit with one surface of Low-E glass, argon gas and Super Spacer® structural foam spacer.

BarrierXP Plus Elite

Double-pane unit with one surface of Low-E SHGC glass, argon gas and Super Spacer® structural foam spacer.

BarrierXP Elite Extreme Plus

Double-pane unit with one surface of Low-E LSG glass, argon gas and Super Spacer® structural foam spacer.

BarrierXP 2 Plus

Double-pane unit with two surfaces of Low-E glass, argon gas and Super Spacer® structural foam spacer.

BarrierXP 2 Plus Elite

Double-pane unit with one surface of Low-E SHGC glass, one surface of Low-E glass, argon gas and Super Spacer® structural foam spacer.

BarrierXP Quattro Plus

Double-pane unit with one surface of Low-E HSG glass, one surface of Low-E HUV glass, argon gas and Super Spacer® structural foam spacer.

BarrierXP SF Plus

Double-pane unit with one surface of Low-E glass, one surface of Low-E HUV glass, argon gas and Super Spacer® structural foam spacer.

BarrierXP SF Elite Plus

Double-pane unit with one surface of Low-E SHGC glass, one surface of Low-E HUV glass, argon gas and Super Spacer® structural foam spacer.

TRIPLE-PANE OPTIONS:

BarrierXP TG2 Plus

Triple-pane unit with two surfaces of Low-E glass, two air spaces of argon gas and Super Spacer® structural foam spacer.

BarrierXP TG2 Plus Elite

Triple-pane unit with one surface of Low-E SHGC glass, one surface of Low-E glass, two air spaces of argon gas and Super Spacer® structural foam spacer.

BarrierXP TG2 Elite Extreme Plus

Triple-pane unit with one surface of Low-E LSG glass, one surface of Low-E glass, two air spaces of argon gas and Super Spacer® structural foam spacer.

BarrierXP PriME TG2 Plus S6

Triple-pane unit with two surfaces of Low-E glass, one surface of Low-E HUV glass, two air spaces of argon gas and Super Spacer® structural foam spacer.

BarrierXP TK2 Plus

Triple-pane unit with two surfaces of Low-E glass, two air spaces of krypton gas and Super Spacer® structural foam spacer.

BarrierXP TK2 Plus Elite

Triple-pane unit with one surface of Low-E SHGC glass, one surface of Low-E glass, two air spaces of krypton gas and Super Spacer® structural foam spacer.

BarrierXP TK2 Elite Extreme Plus

Triple-pane unit with one surface of Low-E LSG glass, one surface of Low-E glass, two air spaces of krypton gas and Super Spacer® structural foam spacer.

BarrierXP PriME TK2 Plus S6

Triple-pane unit with two surfaces of Low-E glass, one surface of Low-E HUV glass, two air spaces of krypton gas and Super Spacer® structural foam spacer.



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²See your Gentek Sales Representative for additional information regarding any questions you might have, or any assertions herein, concerning energy efficiency or savings. Energy savings are not guaranteed and will vary. Energy savings assume proper installation and use. Not all products are ENERGY STAR-certified. ³Insulated glass (IG) units with capillary tubes will be air filled, will not contain argon or krypton fill, and may have different performance values than standard argon or krypton fill. ⁴Available on West Coast windows only. Note: Not all glass packages are available on all products nor available to all customers, based on location. Super Spacer® is a registered trademark of Quanex IG Systems, Inc., a subsidiary of Quanex Building Products Corporation. Product specifications are subject to change without prior notice. Trademarks mentioned in this document are the property of AM, its affiliates, or their respective owners. Printed in the U.S.A.

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