

BARRIERXP® GLASS PACKAGES

MEET NEW ENERGY STAR 7.0 CRITERIA

WINDOWS: SIGNATURE® ELITE | CONCORD® PLUS | 80 SERIES | 70 SERIES | 1900 SERIES | 1700 SERIES

SLIDING PATIO DOORS: SANCTUARY® | NEW CONSTRUCTION | A170 SERIES

Effective Oct. 23, 2023, the ENERGY STAR program for windows and doors transitioned to Version 7.0, its most stringent energy-saving performance criteria yet.

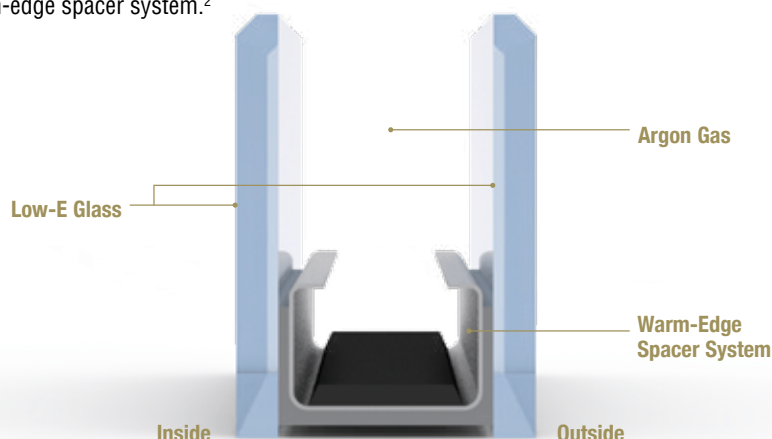
Gentek offers a wide selection of windows and sliding patio doors with BarrierXP glass package options that meet new ENERGY STAR 7.0 requirements in all climate zones. Gentek windows that earn ENERGY STAR Most Efficient may also qualify for federal tax credits.¹

MAKE A POSITIVE CHOICE WITH ENERGY STAR

- The ENERGY STAR program implements new and more stringent criteria based on innovations and technological advancements in the industry
- ENERGY STAR 7.0 requires lower U-Factor and Solar Heat Gain Coefficient (SHGC) performance to qualify for certification, encouraging manufacturers to increase the energy efficiency of their window and door products
- Windows and doors bearing the ENERGY STAR label make it easy for consumers to recognize and choose highly energy-efficient products

BARRIERXP FOR SUPERIOR THERMAL PERFORMANCE

Built with year-round energy savings in mind, BarrierXP glass package options feature a dual-pane unit with two surfaces of Low-E (low-emissivity) glass, insulating argon gas fill and warm-edge spacer system.²



Choose from a variety of BarrierXP insulated glass packages that meet ENERGY STAR certification requirements. See your Gentek Sales Representative for more information about an energy-efficient glass package for your climate zone.



GENTEK WINDOWS AND PATIO DOORS MEET ENERGY STAR 7.0

THERMAL PERFORMANCE COMPARISON³

	Signature Elite U-Factor	SHGC	ENERGY STAR 7.0 Climate Zone
BarrierXP Quattro ThermD	0.24	0.47	N
BarrierXP SF ThermD	0.24	0.27	NC
BarrierXPsc ThermD	0.27	0.21	SC, S

	80 Series U-Factor	SHGC	ENERGY STAR 7.0 Climate Zone
BarrierXP Quattro ThermD	0.26	0.49	N
BarrierXP SF ThermD ⁴	0.25	0.32	NC
BarrierXPsc SF	0.25	0.21	SC
BarrierXPsc	0.31	0.21	S

	Sanctuary U-Factor	SHGC	ENERGY STAR 7.0 Climate Zone
BarrierXP SF Plus	0.23	0.26	N, NC
BarrierXPsc SF Plus	0.26	0.20	SC, S

	A170 Series U-Factor	SHGC	ENERGY STAR 7.0 Climate Zone
BarrierXP SF ThermD	0.24	0.30	N, NC
BarrierXPsc SF ThermD	0.24	0.22	SC, S

³Whole window values, double-strength glass.

⁴Whole window values, double-strength glass with iE liner.

BarrierXP Quattro ThermD: Dual-pane unit, two panes of enhanced Low-E glass (surfaces 2 and 4), argon gas and stainless steel Intercept® spacer.

BarrierXP SF ThermD: Dual-pane unit, two panes of Low-E glass (surfaces 2 and 4), argon gas and stainless steel Intercept spacer.

BarrierXPsc SF ThermD: Dual-pane unit, two panes of Low-E glass (surfaces 2 (SHGC) and 4), argon gas and stainless steel Intercept spacer.

BarrierXP SF Plus: Dual-pane unit, two panes of Low-E glass (surfaces 2 and 4), argon gas and Super Spacer® foam spacer.

BarrierXPsc SF Plus: Dual-pane unit, two panes of Low-E glass (surfaces 2 (SHGC) and 4), argon gas and Super Spacer foam spacer.

BarrierXPsc SF: Dual-pane unit, two panes of Low-E glass (surfaces 2 (SHGC) and 4), argon gas and metal alloy Intercept spacer.

BarrierXPsc ThermD: Dual-pane unit, one pane of SHGC Low-E glass, argon gas and stainless steel Intercept spacer.

BarrierXPsc: Dual-pane unit, one pane Low-E SHGC glass, argon gas and metal alloy Intercept spacer.

ENERGY STAR 7.0 PROGRAM CHANGES

Updated with more stringent U-Factor and SHGC performance criteria, ENERGY STAR Version 7.0 for windows and doors took effect October 23, 2023. The side-by-side comparison below shows the transition from Version 6.0 to Version 7.0, with the new performance requirements in green.



VERSION 6.0 (Effective through Oct. 22, 2023)

VERSION 7.0 (Effective as of Oct. 23, 2023)

WINDOWS

Climate Zone	U-Factor	SHGC	
Northern	≤0.27	Any	Prescriptive
	=0.28	≥0.32	Equivalent Energy Performance
	=0.29	≥0.37	
	=0.30	≥0.42	
North-Central	≤0.30	≤0.40	
South-Central	≤0.30	≤0.25	
Southern	≤0.40	≤0.25	



Climate Zone	U-Factor	SHGC	
Northern	≤0.22	≥0.17	Prescriptive
	=0.23	≥0.35	Equivalent Energy Performance
	=0.24		
	=0.25	≥0.40	
	=0.26		
North-Central	≤0.25	≤0.40	
South-Central	≤0.28	≤0.23	
Southern	≤0.32	≤0.23	

SLIDING PATIO DOORS

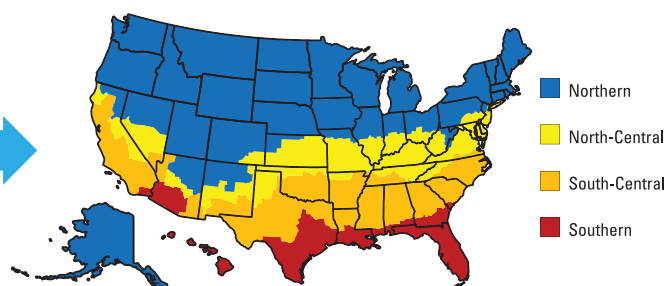
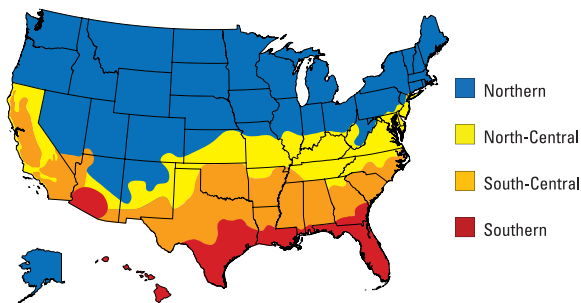
Glazing Level	U-Factor	SHGC
Opaque	≤0.17	No Rating
≤1/2 Lite	≤0.25	≤0.25
>1/2 Lite	≤0.30	Northern North-Central ≤0.40
		South-Central Southern ≤0.25



Glazing Level	U-Factor	SHGC
Opaque	≤0.17	No Rating
≤1/2 Lite	≤0.23	≤0.23
>1/2 Lite	≤0.26	Northern North-Central ≤0.40
		South-Central Southern ≤0.23

■ = Change

CLIMATE ZONE MAP



Map is segmented at the county level with the exception of California, which is segmented by zip code.



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Make us a part of your home.



Gentek offers a variety of ENERGY STAR-certified products. Consult your window professional for an energy-efficient glass package for your home and climate zone. ¹Windows must meet ENERGY STAR Most Efficient criteria and sliding patio doors must meet applicable ENERGY STAR requirements for "entry doors" to be eligible for the Inflation Reduction Act of 2022 tax credit. Not all windows within a model family meet ENERGY STAR 7.0 or ENERGY STAR Most Efficient criteria. Connect with NFRC for specific eligible models. For tax credit information, visit www.energystar.gov. The information provided is for informational purposes only and not intended to substitute for expert advice from a professional tax/financial planner or the Internal Revenue Service (IRS). ²BarrierXPsc ThermD or BarrierXPsc glass packages do not contain two surfaces of Low-E. All specifications and designs subject to change without notice. Due to product changes, improvements and other factors, Gentek reserves the right to change or delete information contained herein without prior notice. Trademarks mentioned in this document are the property of Gentek, its affiliates, or their respective owners. ENERGY STAR name and logo are registered U.S. marks and are owned by the U.S. government.

