

ENERGY STAR VERSION 7 COMPLIANCE PRODUCTS

ZONE	NORTH	NORTH CENT.	SOUTH CENT.	SOUTH
U-Factor - SHGC REQUIREMENTS	Max U-Factor 0.22 Min SHGC 0.17	Max U-Factor 0.25 SHGC 0.40 or less	Max U-Factor 0.28 SHGC 0.23 or less	Max U-Factor 0.32 SHGC 0.23 or less
PRODUCTS	INSULATED GLASS CONFIGURATIONS			
DOUBLE HUNG	UltraFlect	UltraFlect	Low-E ³ Glass	Low-E ³ Glass
100	N/A	UltraFlect	LE-3	LE-3
200	UltraFlect	UltraFlect	LE-3	LE-3
400/500	UltraFlect	UltraFlect	LE-3	LE-3
600	UltraFlect	UltraFlect	LE-3	LE-3
SLIDER				
100	N/A	UltraFlect	LE-3	LE-3
200	N/A	UltraFlect	LE-3	LE-3
400/500	UltraFlect	UltraFlect	LE-3	LE-3
600	UltraFlect	UltraFlect	LE-3	LE-3
PICTURE WINDOW				
All	UltraFlect	UltraFlect	LE-3	LE-3
Caseмент/Awning				
All	UltraFlect	UltraFlect	LE-3	LE-3
PATIO DOOR	UltraFlect	UltraFlect	LE-3	LE-3

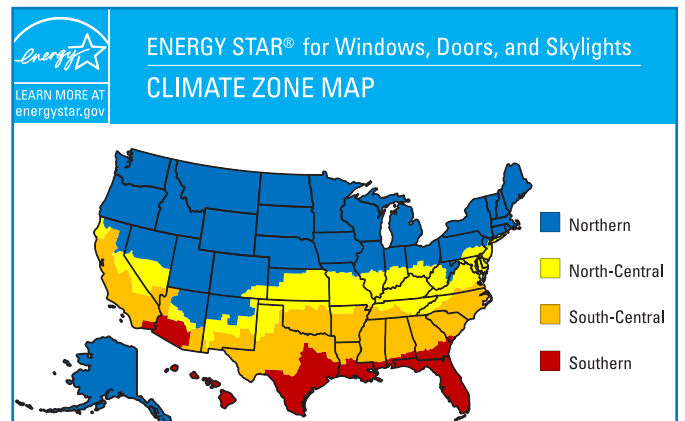
ENERGY STAR MOST EFFICIENT

ZONE	NORTH	NORTH CENT.	SOUTH CENT.	SOUTH
U-Factor - SHGC REQUIREMENTS	Max U-Factor 0.20 Min SHGC 0.20	Max U-Factor 0.20 SHGC 0.40 or less	Max U-Factor 0.20 SHGC 0.25 or less	Max U-Factor 0.20 SHGC 0.25 or less

200, 400/500, 600 SERIES DOUBLE HUNGS AND SLIDERS, CASEMENT/AWNINGS AND PICTURE WINDOWS ARE AVAILABLE. THE GLASS PACKAGE IS TRIPLE PANE (2 SOFT COAT, 1 HARD COAT) LOW-E ON ALL PRODUCTS.

NOTE: Please remember that due to LOW-E tinting, mixing UltraFlect and other glass packages will result in exterior visual color differences between windows.

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ENERGY STAR Certification Criteria for Residential Windows, Doors, and Skylights

Windows

Climate Zone	U-Factor ¹	SHGC ²	
Northern	≤ 0.22	≥ 0.17	Prescriptive
	= 0.23	≥ 0.35	Equivalent Energy Performance
	= 0.24		
	= 0.25		
	= 0.26	≥ 0.40	
North-Central	≤ 0.25	≤ 0.40	
South-Central	≤ 0.28	≤ 0.23	
Southern	≤ 0.32	≤ 0.23	

Air Leakage for windows ≤ 0.3 cfm/ft²

¹ Btu/h ft²·°F

² Solar Heat Gain Coefficient

Swinging and Sliding Glass Doors

Glazing Level	U-Factor ¹	SHGC ²
Opaque	≤ 0.17	No Rating
≤ ½-Lite	≤ 0.23	≤ 0.23
> ½-Lite	≤ 0.26	Northern and North-Central ≤ 0.40
	≤ 0.28	Southern and South-Central ≤ 0.23

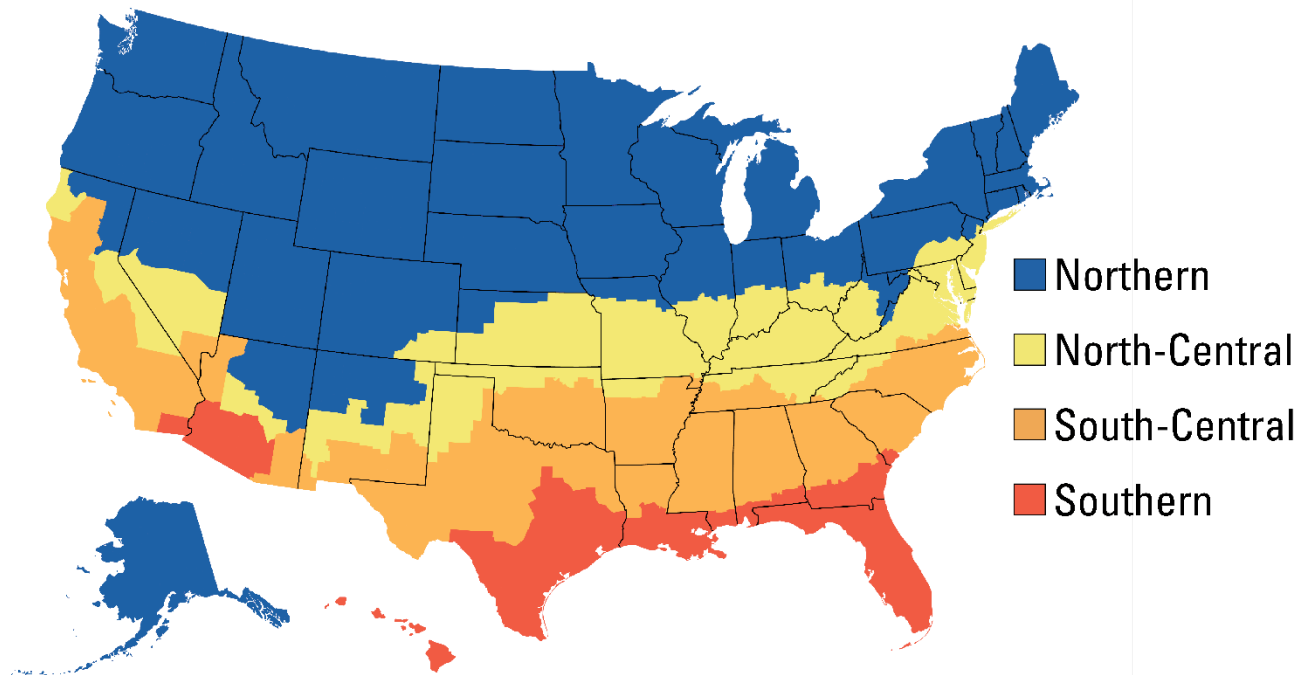
Air Leakage for Sliding Doors ≤ 0.3 cfm/ft²

Air Leakage for Swinging Doors ≤ 0.5 cfm/ft²

Skylights

Climate Zone	U-Factor ¹	SHGC ²
Northern	≤ 0.45	Any
North-Central		
South-Central	≤ 0.50	≤ 0.25
Southern		

Air Leakage ≤ 0.3 cfm/ft²



Note: A complete list of ENERGY STAR Climate Zones by state and county or, where applicable, zip code is available at www.energystar.gov/products/building_products/residential_windows_doors_and_skylights/climate_zone/search.