

# ENERGY STAR® Windows Criteria

The tables below give the qualification criteria for ENERGY STAR windows and doors and for ENERGY STAR skylights. There are four climate zones with different criteria. For windows and doors, alternative qualification criteria are allowed for the South and South/Central climate zones (with the exception of California).

The ENERGY STAR label shows which climate zones a window qualifies for. Many windows qualify for multiple or for all zones.

[Click here to determine which label to use](#)

[Learn more](#) about how to use ENERGY STAR labels for windows, doors and skylights.



Windows & Doors			
Climate Zone	U-Factor <sup>1</sup>	SHGC <sup>2</sup>	Notes
Northern	$\leq 0.35$	Any	
North/Central	$\leq 0.40$	$\leq 0.55$	
South/Central	$\leq 0.40$	$\leq 0.40$	Prescriptive
	0.41	$\leq 0.36$	Equivalent Performance (excluding CA): <i>Products meeting these criteria are deemed to be of equivalent performance as products meeting the prescriptive criteria and thus also qualify in the South/Central and Southern zone (excluding CA).</i>
	0.42	$\leq 0.31$	
	0.43	$\leq 0.24$	
Southern	$\leq 0.65$	$\leq 0.40$	Prescriptive
	0.66–0.67	$\leq 0.39$	Equivalent Performance: <i>Products meeting these criteria are deemed to be of equivalent performance as products meeting the prescriptive criteria and thus also qualify in the Southern zone.</i>
	0.68	$\leq 0.38$	
	0.69–0.70	$\leq 0.37$	
	0.71	$\leq 0.36$	
	0.72–0.73	$\leq 0.35$	
	0.74	$\leq 0.34$	
	0.75	$\leq 0.33$	

Skylights			
Climate Zone	U-Factor <sup>1</sup> (2001 NFRC rated at 20 degrees) <sup>3</sup>	U-Factor <sup>1</sup> (RES97 rated at 90 degrees) <sup>4</sup>	SHGC <sup>2</sup>
Northern	$\leq 0.60$	$\leq 0.45$	Any
North/Central	$\leq 0.60$	$\leq 0.45$	$\leq 0.40$
South/Central	$\leq 0.60$	$\leq 0.45$	$\leq 0.40$
Southern	$\leq 0.75$	$\leq 0.75$	$\leq 0.40$

Source: [http://www.energystar.gov/index.cfm?c=windows\\_doors.win\\_elig](http://www.energystar.gov/index.cfm?c=windows_doors.win_elig)

<sup>1</sup> Btu/h.ft<sup>2</sup>.°F

<sup>2</sup> Fraction of incident solar radiation

<sup>3</sup> U-Factor qualification criteria based on 2001 NFRC simulation and certification procedures that rate skylights at a 20-degree angle. Although reported U-Factor is higher than RES97 rated products, energy performance at the ENERGY STAR minimum qualifying level is equivalent.

<sup>4</sup> NFRC certification using the 1997 NFRC procedures for residential windows (RES 97) that rated skylights at a 90-degree angle. Skylights rated under this procedure may be present in the marketplace until March 31, 2008. NFRC labels for products using this procedure state: "RES97 rated at 90 degrees."

