

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

Windows

Climate Zone	U-Factor ¹	SHGC ²	
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	

Air Leakage ≤ 0.3 cfm/ft²

¹ Btu/h ft²·°F

² Solar Heat Gain Coefficient

* The effective date for the Northern Zone prescriptive and equivalent energy performance criteria for windows is January 1, 2016.

Doors

Glazing Level	U-Factor ¹	SHGC ²				
Opaque	≤ 0.17	No Rating				
≤ ½-Lite	≤ 0.25	≤ 0.25				
> ½-Lite	≤ 0.30	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Northern North-Central</td> <td style="width: 50%;">≤ 0.40</td> </tr> <tr> <td>Southern South-Central</td> <td>≤ 0.25</td> </tr> </table>	Northern North-Central	≤ 0.40	Southern South-Central	≤ 0.25
Northern North-Central	≤ 0.40					
Southern South-Central	≤ 0.25					

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	≤ 0.50	Any
North-Central	≤ 0.53	≤ 0.35
South-Central	≤ 0.53	≤ 0.28
Southern	≤ 0.60	≤ 0.28

Air Leakage ≤ 0.3 cfm/ft²

