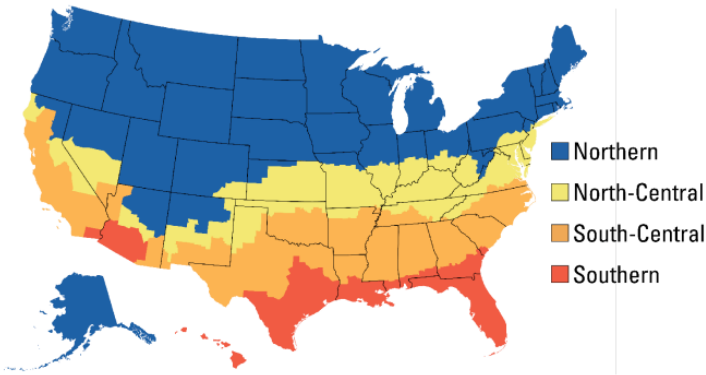


GLASS OPTIONS v7 UPDATE

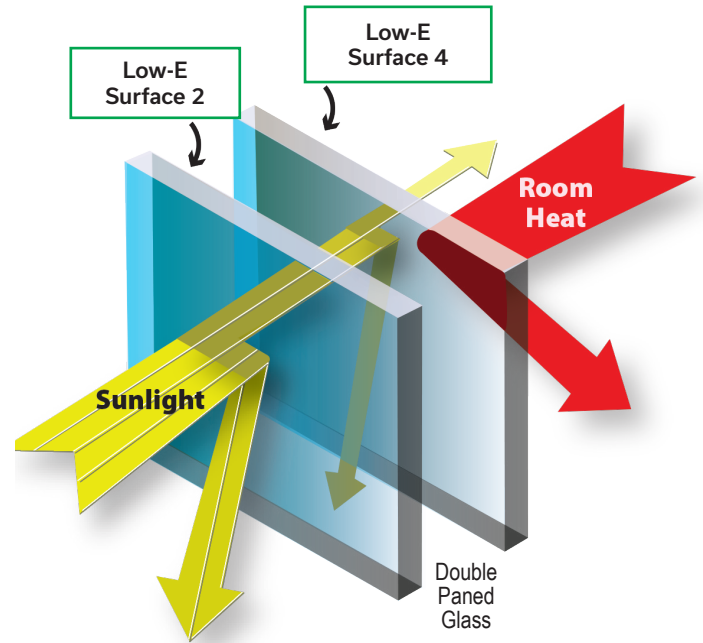
OCT 2023



ENERGY STAR® for Windows, Doors, and Skylights
CLIMATE ZONE MAP



Low-E, or low emissivity energy-efficient windows, have a thin transparent coating that reflects heat and UV light keeping the temperature in your home comfortable. Our double pane windows contain Low-E coatings in various configurations; optimized for your designated climate zone. Optional, heavier-than-air **argon gas** must also be included to meet energy requirements.



North				North Central				South Central				South			
Previous Low-E3		2023 Update Low-E7*-N		Previous Low-E2		2023 Update Low-E7-NC		Previous Low-E2 Solar		2023 Update Low-E7-SC		Previous Low-E2 Solar		2023 Update Low-E7-S	
U-F†	SHGC††	U-F	SHGC	U-F	SHGC	U-F	SHGC	U-F	SHGC	U-F	SHGC	U-F	SHGC	U-F	SHGC
≤0.27	Any	≤0.22	≥0.17	≤0.30	≤0.40	≤0.25	≤0.40	≤0.30	≤0.25	≤0.28	≤0.23	≤0.40	≤0.25	≤0.32	≤0.23
0.28	0.32	0.23	≥0.35												
0.29	0.37	0.24	≥0.35												
0.30	0.42	0.25	≥0.40												
		0.26	≥0.40												

*E7 = Energy Requirements for Version 7 (2023 Update)

†U-F = U-Factor

††SHGC = Solar Heat Gain Coefficient

Understanding the New NFRC label



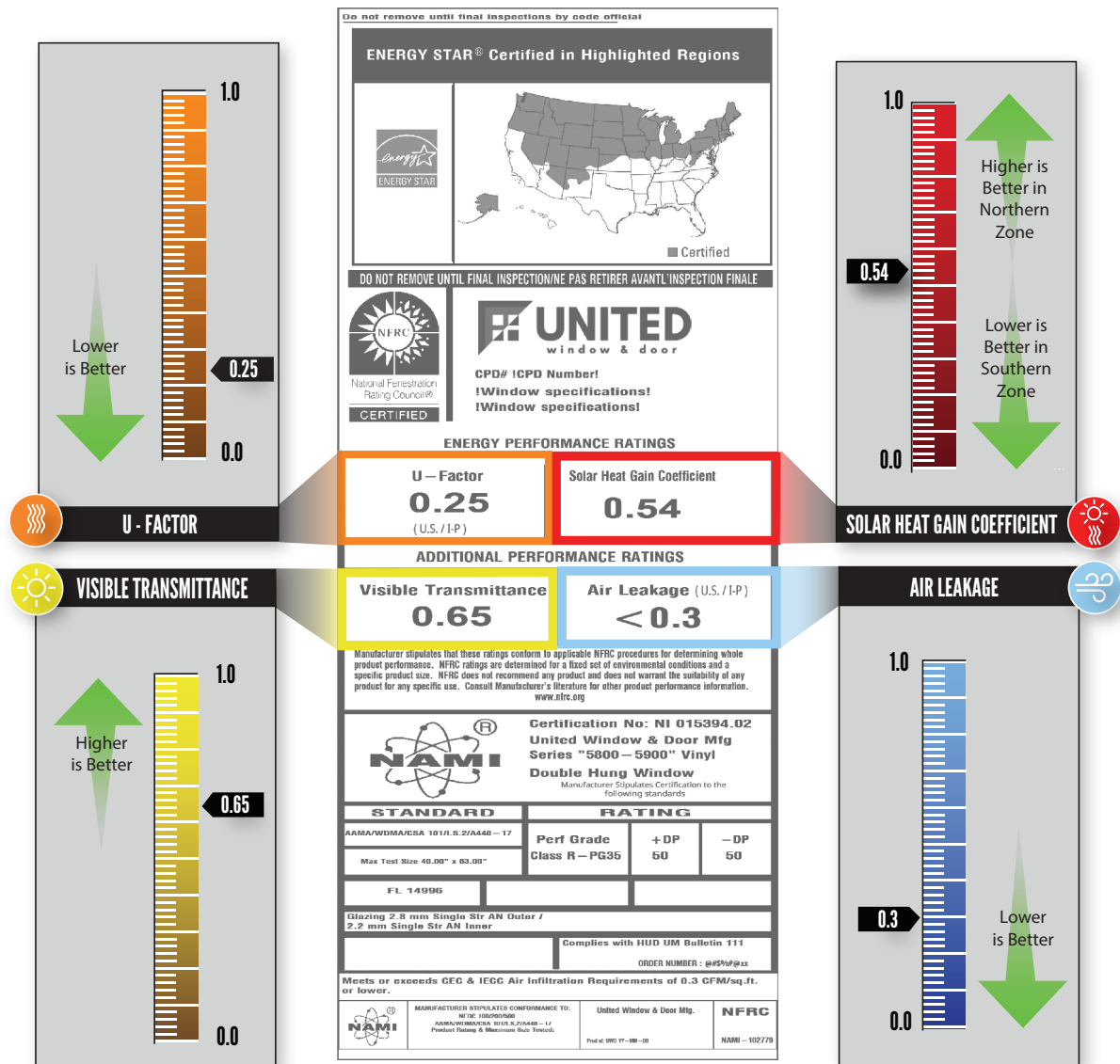
U-Factor (UF)

A rating based on how much heat is allowed to transfer through the product. The lower the U-factor, the less heat transfer occurs through a product. U-factor is particularly important during the winter heating season in colder climates.



Solar Heat Gain Coefficient (SHGC)

A rating based on how much heat from the sun is blocked. The lower the SHGC, the more a product is blocking solar heat gain. Blocking solar heat gain is particularly important during the summer cooling season in hot Southern climates. By contrast, people in Northern climates may want solar heat gain during the cold winter months to lessen the cost of heating the home.



Visible Light Transmission (VLT)

A rating based on how much visible light comes through a product. The higher the VLT, the higher the potential for day lighting.



Air Leakage

A rating based on how much air will enter a room thru the product. Lower number, the lower the potential for a draft.

